Valor
Radiant Gas Fireplaces

VENTANA

Direct Vent Zero Clearance Fireplace
1200EAN (NG) & 1200EAP (LPG)

Installation & Operating Instructions

INSTALLER: Leave this manual with the appliance.
CONSUMER: Retain this manual for future reference.

WARNING: If the information in these instructions is not followed exactly, a fire or explosion may result causing property damage, personal injury or loss of life.

Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.

WHAT TO DO IF YOU SMELL GAS

- **Do not try to light the appliance.**
- **Do not touch any electrical switch; do not use any phone in your building.**
- **Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.**
- **If you cannot reach your gas supplier, call the fire department.**

Installation and service must be performed by a qualified installer, service agency or the gas supplier.

PLEASE READ THIS MANUAL BEFORE INSTALLING AND OPERATING THIS APPLIANCE.

This appliance may be installed in an after-market permanently located, manufactured (mobile) home where not prohibited by local codes.

This appliance is only for use with the type of gas indicated on the rating plate. This appliance is not convertible for use with other gases, unless a certified kit is used.

This appliance is a domestic room-heating appliance. It must not be used for any other purposes such as drying clothes, etc.

This appliance is suitable for installation in a bedroom or bed sitting room.

<u>Massachusetts</u>: The piping and final gas connection must be performed by a licensed plumber or gas fitter in the State of Massachusetts. Also, see Carbon Monoxide Detector requirements under "Safety and Warning Information" on page 5.

Manufactured by
MILES INDUSTRIES LTD.
British Columbia, Canada
www.valorfireplaces.com

4001272-12
©2009, Miles Industries Ltd.

MILES INDUSTRIES

CAUTION—HOT! HOT! HOT!

This appliance is a HEATING appliance and it becomes very hot when in operation.

UNDER ANY CIRCUMSTANCES, DO NOT PLACE any object, furniture, draperies or other item LESS THAN 36 inches (0.9 m) IN FRONT OF THE FIREPLACE.

CHILDREN and PETS

Radiant heat can heat surfaces such as the hearth in front of the fireplace to temperatures that, although approved safe, can be quite uncomfortable to touch or step on—particularly for children and pets. Children and pets should always be supervised when in the room where the appliance is located. Remote control handset should be kept out of reach of children. In the presence of children, we STRONGLY RECOMMEND that you install in front of the fireplace: a fire screen, doors or, to protect young toddlers, a "hearth gate"—see Options on page 41.

HOT SURFACES

Be aware that, although safe, some combustible materials and finishes, even though installed at listed clearances may, over time, discolor, warp or show cracks. The 1200DV requires the installation of the cement board provided with the engine.

Convective heat will exit the unit and travel up the wall surface if not impeded. Protruding mantels and projections can help direct the heat away from the wall. AVOID PLACING heat sensitive items such as televisions, paintings, decorations, etc. above fireplaces or near the edge of protrusions unless appropriate.

The information contained in this installation manual is believed to be correct at the time of printing. Miles Industries Ltd. reserves the right to change or modify any information or specifications without notice. Miles Industries Ltd. grants no warranty, implied or stated, for the installation or maintenance of your heater, and assumes no responsibility for any consequential damage(s).

NATIONAL FIREPLACE INSTITUTE NFI ADVOCATE

We recommend that our gas hearth products be installed and serviced by professionals who are certified in the United States by NFI (National Fireplace Institute®).

Designed and Manufactured by
Miles Industries Ltd.
190 – 2255 Dollarton Highway, North Vancouver, B.C, CANADA. V7H 3B1
Tel. (604) 984-3496 Fax (604) 984-0246
www.valorfireplaces.com
© Copyright Miles Industries Ltd., 2009

Table of Contents

Safety and Warning Information....4
Specifications 7
Overview....8
Dimensions 9
Location....9
Mantel Clearances 10
Hearth Requirements 12
Framing....15
Venting....16
Installation Planning....21
Appliance Preparation....22
Supply Gas 24
Ceramic Bricks....26
Ceramic Logs 27
Window Refitting 29
Initial Remote Control Set-up 29
Decorative Lighting Electrical Installation 30
Operation Check & Aeration Settings Adjustment 31
Window Skirt and Side Doors Installation 32
Remote Control Handset Wall Holder Installation 32
Owner's Information....33
Remote Control Operation....36
Lighting Instructions 39
Wiring Diagram 40
Options 41
Warranty 42
Spare Parts....43

Safety and Warning Information

READ and **UNDERSTAND** all instructions carefully before starting the installation. **FAILURE TO FOLLOW** these installation instructions may result in possible fire hazard and will void the warranty.

Prior to the first firing of the fireplace, **READ** the Owner's Information Section of this manual.

DO NOT USE this appliance if any part has been under water. Immediately, **CALL** a qualified service technician to inspect the unit and to replace any part of the control system and any gas control that has been under water.

THIS UNIT IS NOT FOR USE WITH SOLID FUEL.

Installation and repair should be **PERFORMED** by a qualified service person. The appliance and venting system should be **INSPECTED** before initial use and at least annually by a professional service person. More frequent cleaning may be required due to excessive lint from carpeting, bedding, etc. It is **IMPERATIVE** that the unit's control compartment, burners, and circulating air passageways **BE KEPT CLEAN** to provide for adequate combustion and ventilation air.

Always **KEEP** the appliance clear and free from combustible materials, gasoline, and other flammable vapors and liquids.

NEVER OBSTRUCT the flow of combustion and ventilation air. Keep the front of the appliance **CLEAR** of all obstacles and materials for servicing and proper operation.

Due to the high temperature, the appliance should be **LOCATED** out of traffic areas and away from furniture and draperies. Clothing or flammable material **SHOULD NOT BE PLACED** on or near the appliance.

Children and adults should be **ALERTED** to the hazards of high surface temperature and should **STAY AWAY** to avoid burns or clothing ignition. Young children should be **CAREFULLY SUPERVISED** when they are in the same room as the appliance.

This unit MUST be used with a vent system as described in this installation manual. **NO OTHER** vent system or component **MAY BE USED**.

This gas fireplace and vent assembly **MUST** be vented directly to the outside and **MUST NEVER** be attached to a chimney serving a separate solid fuel burning appliance. Each gas appliance **MUST USE** a separate vent system. Common vent systems are **PROHIBITED**.

INSPECT the external vent cap on a regular basis to make sure that no debris is interfering with the air flow.

The glass door assembly **MUST** be in place and sealed before the unit can be placed into safe operation.

DO NOT OPERATE this appliance with the glass door removed, cracked, or broken. Replacement of the glass door should be performed by a licensed or qualified service person. **DO NOT** strike or slam the glass door.

The glass door assembly **SHALL ONLY** be replaced as a complete unit, as supplied by the fireplace manufacturer. **NO SUBSTITUTE** material may be used.

DO NOT USE abrasive cleaners on the glass door assembly. **DO NOT ATTEMPT** to clean the glass door when it is hot.

TURN OFF THE GAS BEFORE servicing this appliance. It is recommended that a qualified service technician perform an appliance check-up at the beginning of each heating season.

Any safety screen or guard removed for servicing **MUST BE REPLACED** before operating this appliance.

DO NOT place furniture or any other combustible household objects within 36" of the fireplace front.

HOT SURFACES. Be aware that, although safe, some combustible materials and finishes, even though installed at listed clearances may, over time, discolor, warp or show cracks. The 1200DV requires the installation of the cement board provided with the engine.
Convective heat will exit the unit and travel up the wall surface if not impeded. Protruding mantels and projections can help direct the heat away from the wall. AVOID PLACING heat sensitive items such as televisions, paintings, decorations, etc. above fireplaces or near the edge of protrusions unless appropriate.
Radiant heat can heat surfaces such as the hearth in front of the fireplace to temperatures that, although approved safe, can be quite uncomfortable to touch or step on—particularly for children and pets. Accessory screens and guards will reduce the radiant heat on these surfaces.

Operating your fireplace for the first time

When operating your new fireplace for the first time, some vapors may be released due to the burning of curing compounds used in the manufacture of the appliance. They may cause a slight odor and could cause the flames to be the full height of the firebox, or even slightly higher, for the first few hours of operation. It is also possible that these vapors could set off any smoke detection alarms in the immediate vicinity. These vapors are quite normal on new appliances. We recommend opening a window to vent the room. After a few hours use, the vapors will have disappeared and the flames will be at their normal height.

State of California. Proposition 65 Warning.

Fuels used in gas, wood-burning or oil fired appliances, and the products of combustion of such fuels, contain chemicals known to the State of California to cause cancer, birth defects and other reproductive harm. *California Health & Safety Code Sec. 25249.6.*

State of Massachusetts Carbon Monoxide Detector/Vent Terminal Signage Requirements

For all side wall horizontally vented gas fueled equipment installed in every dwelling, building or structure used in whole or in part for residential purposes, including those owned or operated by the Commonwealth and where the side wall exhaust vent termination is less than seven (7) feet above finished grade in the area of the venting, including but not limited to decks and porches, the following requirements shall be satisfied:

1. INSTALLATION OF CARBON MONOXIDE DETECTORS. At the time of installation of the side wall horizontal vented gas fueled equipment, the installing plumber or gas fitter shall observe that a hard wired carbon monoxide detector with an alarm and battery back-up is installed on the floor level where the gas equipment is to be installed. In addition, the installing plumber or gas fitter shall observe that a battery operated or hard wired carbon monoxide detector with an alarm is installed on each additional level of the dwelling, building or structure served by the side wall horizontal vented gas fueled equipment. It shall be the responsibility of the property owner to secure the services of qualified licensed professionals for the installation of hard wired carbon monoxide detectors.

a. In the event that the side wall horizontally vented gas fueled equipment is installed in a crawl space or an attic, the hard wired carbon monoxide detector with alarm and battery back-up may be installed on the next adjacent floor level.

b. In the event that the requirements of this subdivision can not be met at the time of completion of installation, the owner shall have a period of thirty (30) days to comply with the above requirements; provided, however, that during said thirty (30) day period, a battery operated carbon monoxide detector with an alarm shall be installed.

2. APPROVED CARBON MONOXIDE DETECTORS. Each carbon monoxide detector as required in accordance with the above provisions shall comply with NFPA 720 and be ANSI/UL 2034 listed and IAS certified.

3. SIGNAGE. A metal or plastic identification plate shall be permanently mounted to the exterior of the building at a minimum height of eight (8) feet above grade directly in line with the exhaust vent terminal for the horizontally vented gas fueled heating appliance or equipment. The sign shall read, in print size no less than one-half (1/2) inch in size, “GAS VENT DIRECTLY BELOW. KEEP CLEAR OF ALL OBSTRUCTIONS”.

4. INSPECTION. The state or local gas inspector of the side wall horizontally vented gas fueled equipment shall not approve the installation unless, upon inspection, the inspector observes carbon monoxide detectors and signage installed in accordance with the provisions of 248 CMR 5.08(2)(a)1 through 4.

(b) EXEMPTIONS: The following equipment is exempt from 248 CMR 5.08(2)(a)1 through 4:

1. The equipment listed in Chapter 10 entitled “Equipment Not Required To Be Vented” in the most current edition of NFPA 54 as adopted by the Board; and

2. Product Approved side wall horizontally vented gas fueled equipment installed in a room or structure separate from the dwelling, building or structure used in whole or in part for residential purposes.

(c) MANUFACTURER REQUIREMENTS - GAS EQUIPMENT VENTING SYSTEM PROVIDED. When the manufacturer of Product Approved side wall horizontally vented gas equipment provides a venting system design or venting system components with the equipment, the instructions provided by the manufacturer for installation of the equipment and the venting system shall include:

1. Detailed instructions for the installation of the venting system design or the venting system components; and

2. A complete parts list for the venting system design or venting system.

(d) MANUFACTURER REQUIREMENTS - GAS EQUIPMENT VENTING SYSTEM NOT PROVIDED. When the manufacturer of a Product Approved side wall horizontally vented gas fueled equipment does not provide the parts for venting the flue gases, but identifies “special venting systems”, the following requirements shall be satisfied by the manufacturer:

1. The referenced “special venting system” instructions shall be included with the appliance or equipment installation instructions; and

2. The “special venting systems” shall be Product Approved by the Board, and the instructions for that system shall include a parts list and detailed installation instructions.

(e) A copy of all installation instructions for all Product Approved side wall horizontally vented gas fueled equipment, all venting instructions, all parts lists for venting instructions, and/or all venting design instructions shall remain with the appliance or equipment at the completion of the installation.

Specifications

Approval & Codes

This appliance is certified to ANSI Z21.88b-2008 / CSA 2.33b-2008 *Vented Gas Fireplace Heater* standard for use in Canada and USA, and to CGA 2.17-91 *High Altitude Standard in Canada*. This appliance is for direct vent installations.

This appliance complies with CGA P.4.1 *Testing method for measuring annual fireplace efficiencies*.

The installation must conform to local codes or, in the absence of local codes, with the *National Fuel Gas Code, ANSI Z223.1* or the *Natural Gas and Propane Installation Code CAN/CGA-B149*. Only qualified licensed or trained personnel should install this appliance.

This appliance must be electrically grounded in accordance with local codes, or, in the absence of local codes, with the *National Electrical Code, ANSI/NFPA 70* or the *Canadian Electrical Code, CSA C22.1*.

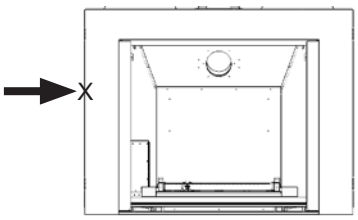
Ratings

Model	**N**	**P**
Gas	Natural	Propane
Altitude (Ft.)*	0-4,500 feet*	
Input Maximum (Btu/h)	36,000	31,000
Input Minimum (Btu/h)	15,000	15,000
Manifold Pressure (in w.c.)	3.6”	10.5”
Minimum Supply Pressure (in w.c.)	5”	11”
Maximum Supply Pressure (in w.c.)	10”	14”
Main Burner Injector Marking	Cat # 82-1200	Cat # 92-360
Pilot Injector Marking	#62	#30
Min. Rate By-Pass Screw	#190	#125

***High Altitude Installations**
Input ratings are shown in BTU per hour and are certified without deration for elevations up to 4,500 feet (1,370 m) above sea level.
For elevations above 4,500 feet (1,370 m) in USA, installations must be in accordance with the current ANSI Z223.1 and/or local codes having jurisdiction. Heating value of gas in some areas is reduced to compensate for elevation—consult your local gas utility to confirm.
For installations at elevations above 4,500 feet (1,370 m) in Canada, please consult provincial and/or local authorities having jurisdiction.

Supply Gas

Heater engine 1200EAN is used with natural gas.
Heater engine 1200EAP is used with propane gas.
The supply pressure must be between the limits shown in the Ratings section above.
The supply connection is 3/8 inch NPT female and located on the left hand side of the firebox.



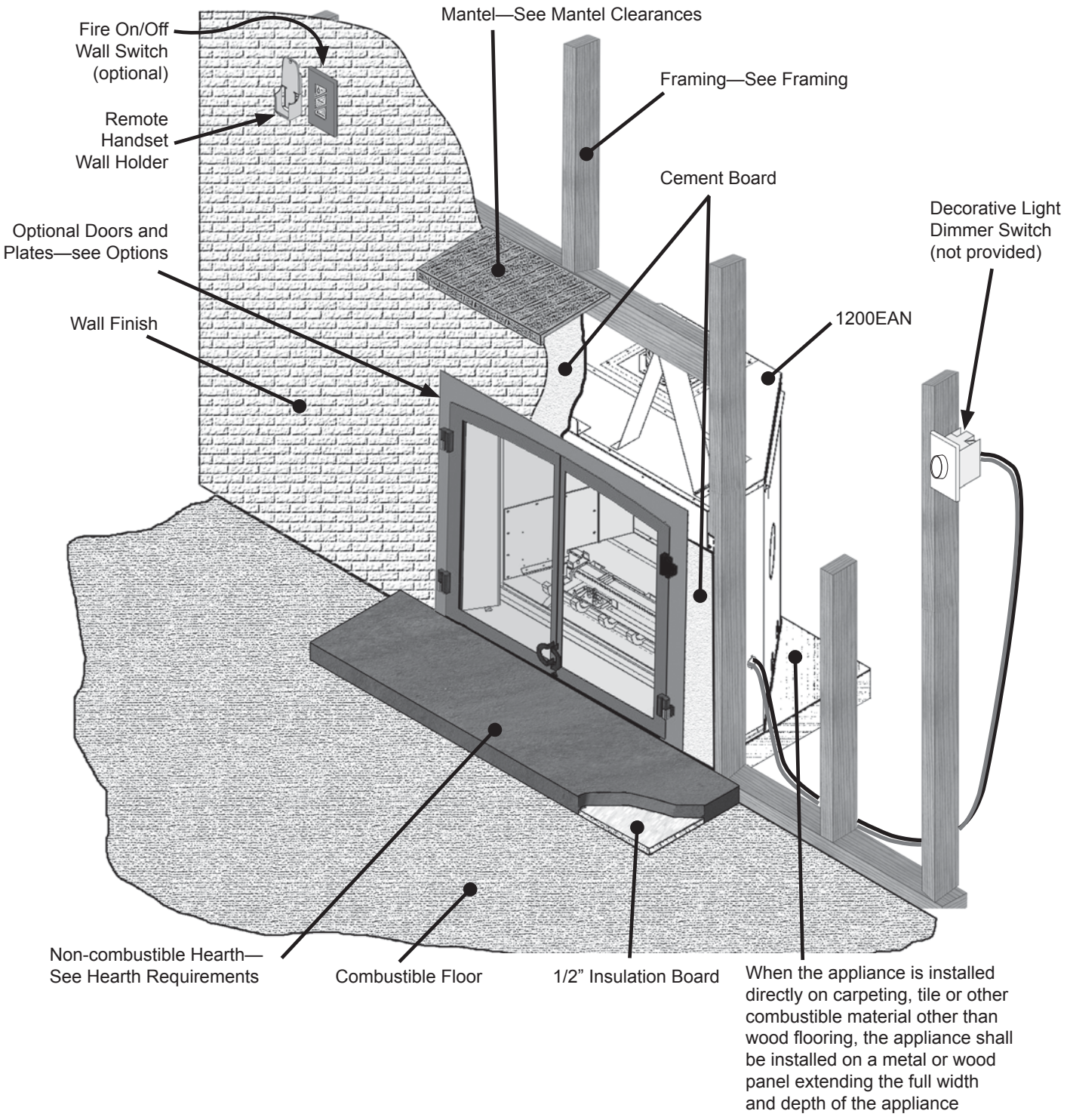
Conversion Kits

The 1200 Ventana is supplied as natural gas or propane gas and is field convertible between fuels. See instructions packaged with the conversion kit for further information.

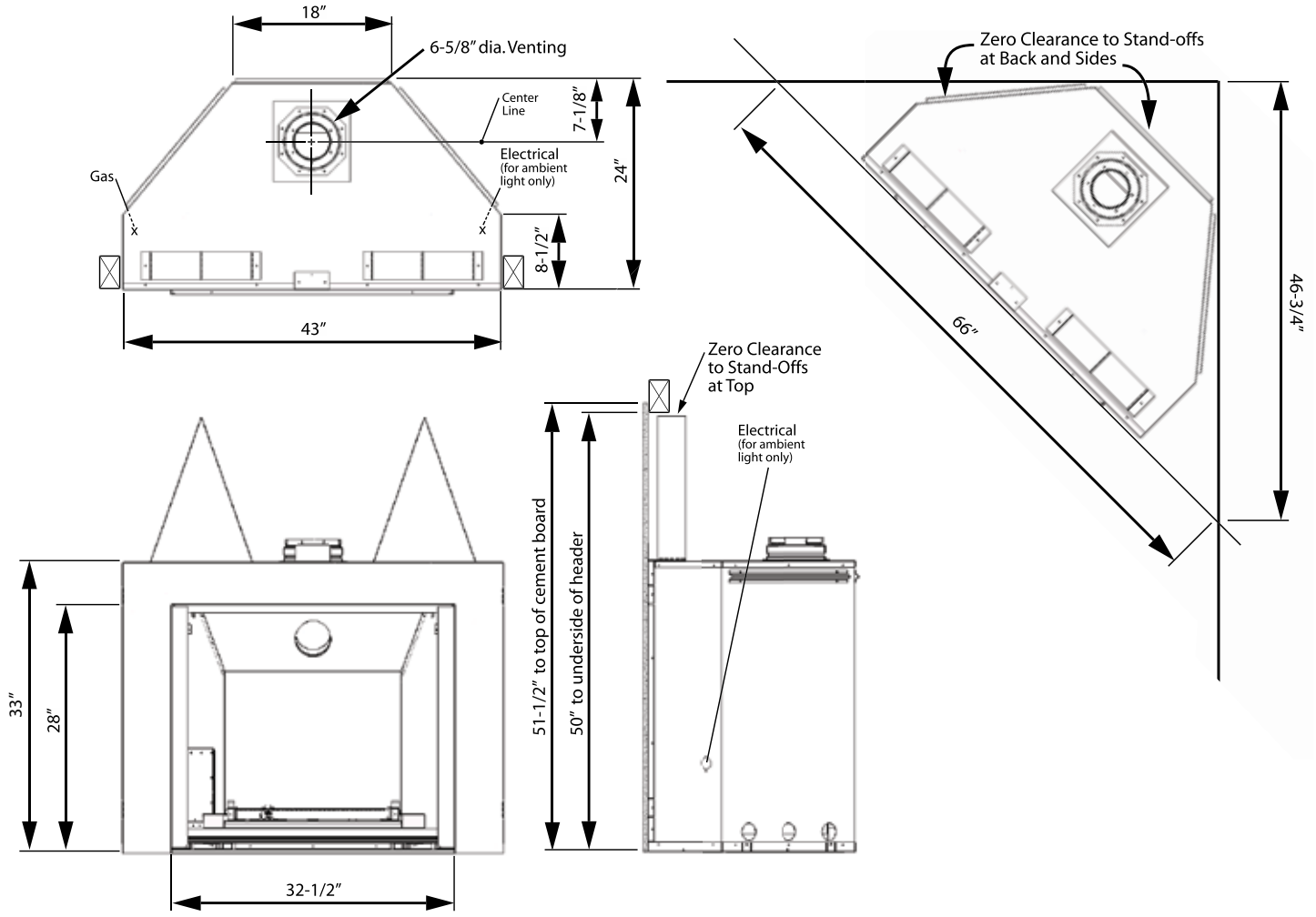
Electrical

The 1200 does not require an electrical power source to operate as a heater. However, it requires electrical power to operate its decorative hearth light.

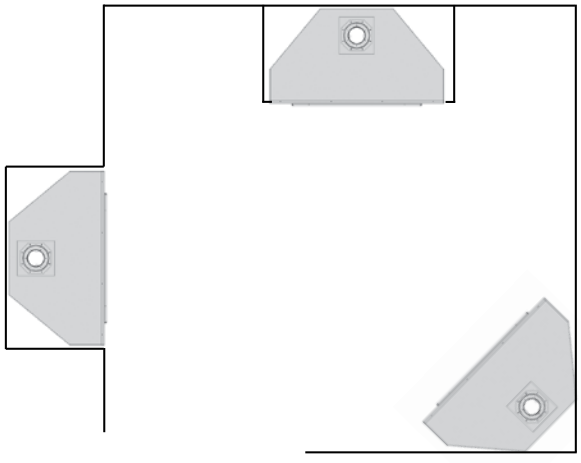
Overview


Fire On/Off
Wall Switch
(optional)
Remote
Handset
Wall Holder
Optional Doors and
Plates—see Options
Wall Finish
Mantel—See Mantel Clearances
Framing—See Framing
Cement Board
Decorative Light
Dimmer Switch
(not provided)
1200EAN
Non-combustible Hearth—
See Hearth Requirements
Combustible Floor
1/2” Insulation Board
When the appliance is installed directly on carpeting, tile or other combustible material other than wood flooring, the appliance shall be installed on a metal or wood panel extending the full width and depth of the appliance

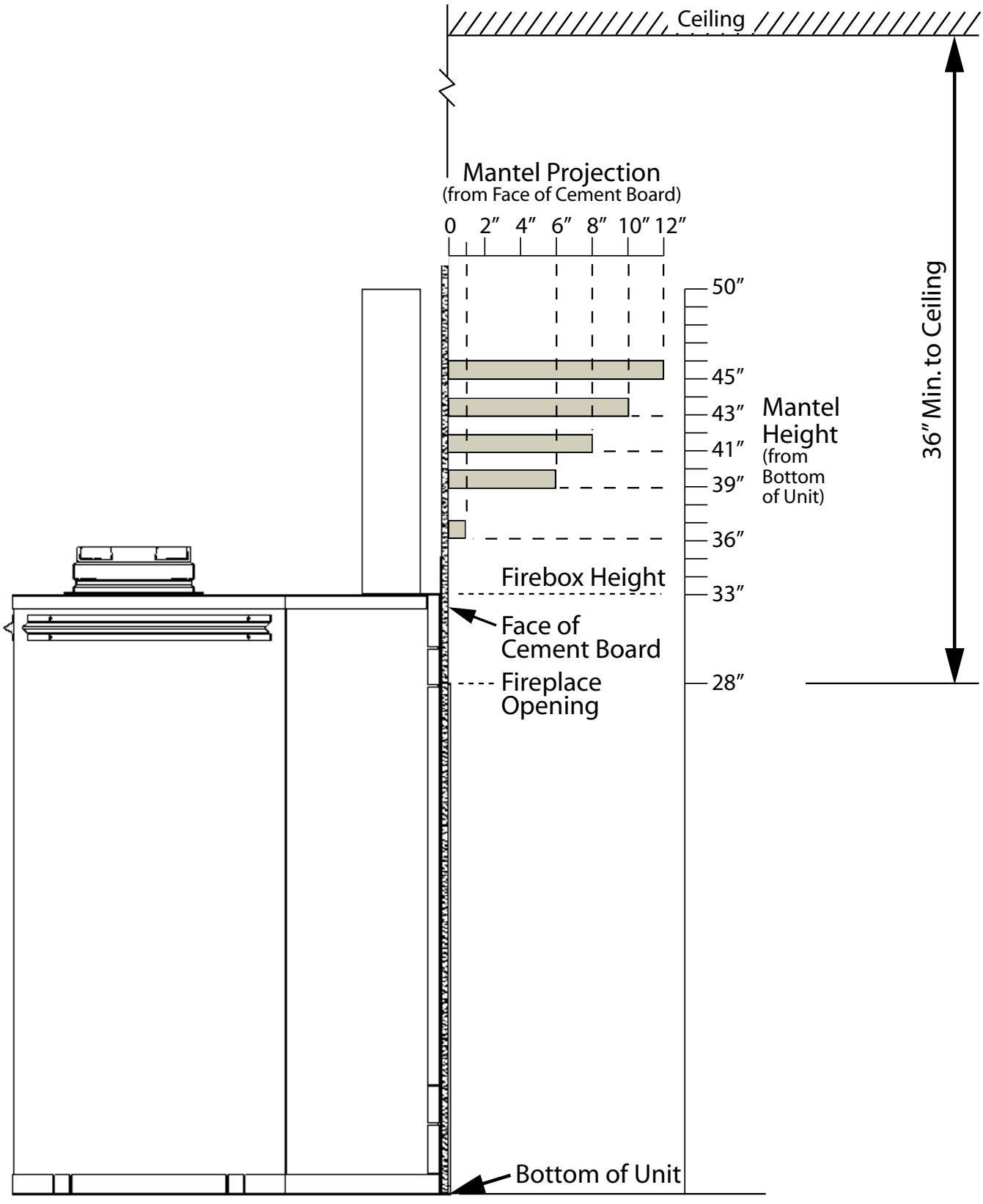
Dimensions



Location

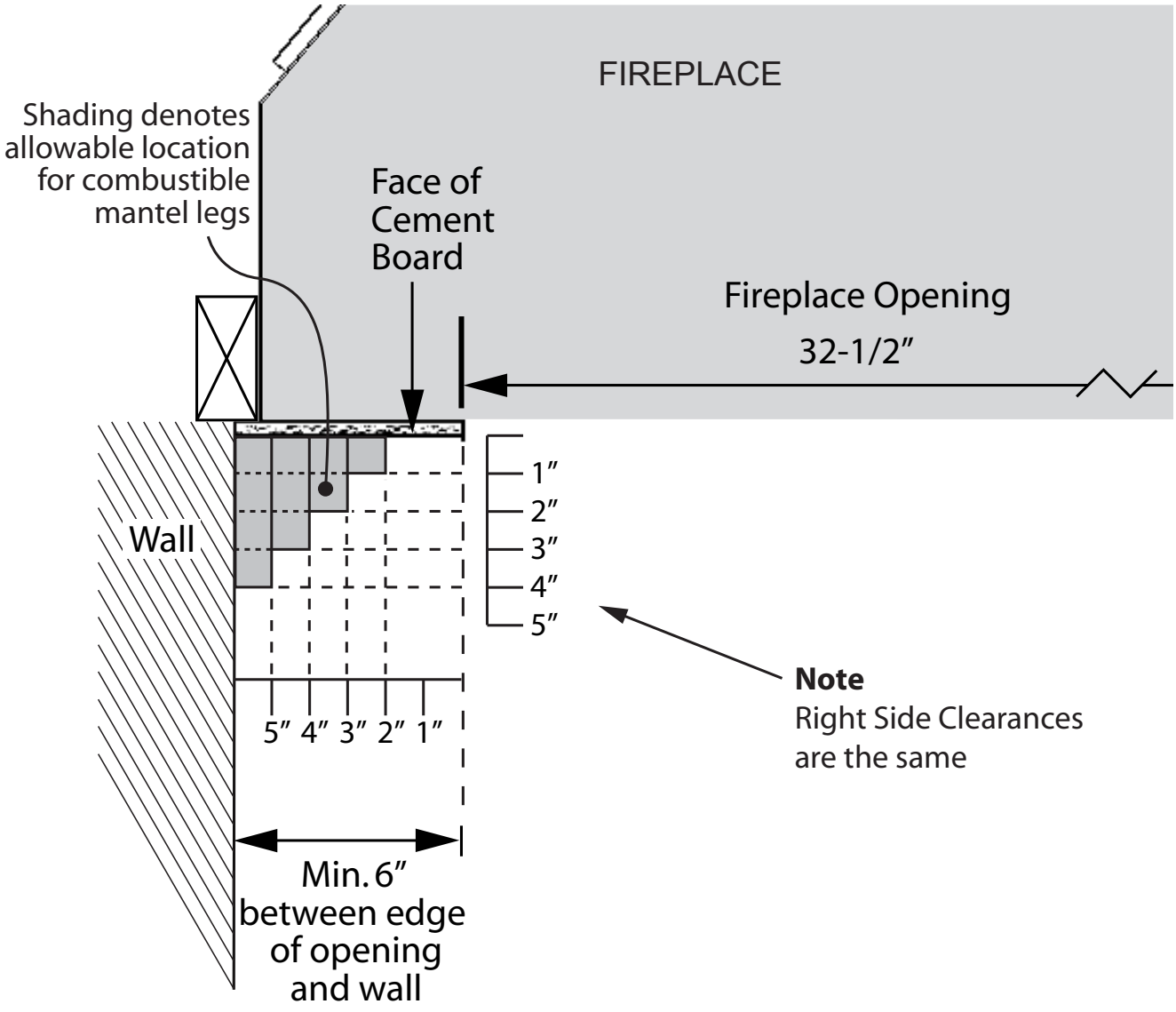


Combustible Mantel—Left Side View



Left Side View

Combustible Sidewall / Mantel Leg—Top View

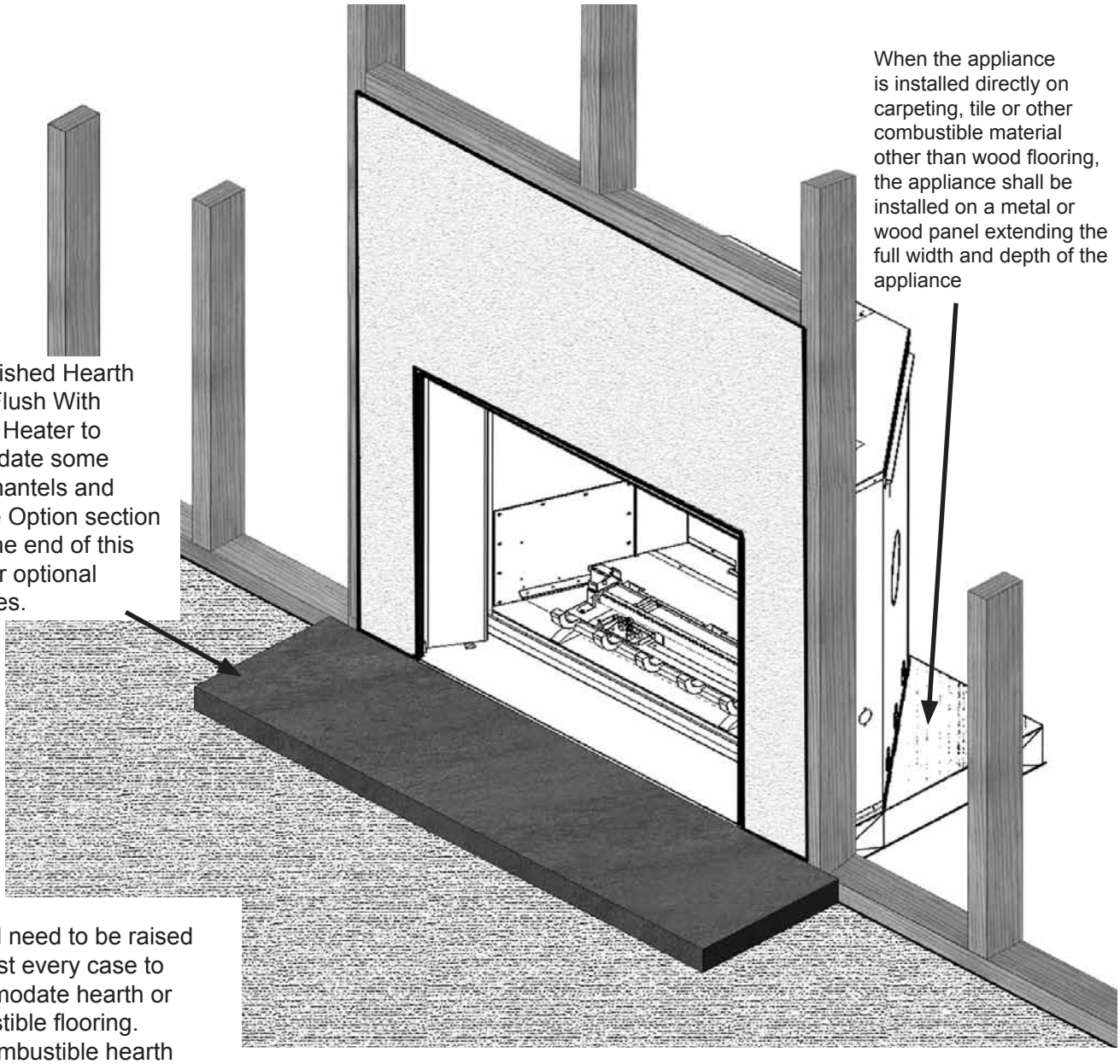


Top View

Hearth Requirements

General Hearth Considerations

SAFETY WARNING! The Ventana is a very effective radiant heater. The hearth/floor in front of the heater can get very hot (in excess of 200ºF). Locating the unit raised above the hearth/floor or adding one of the optional screen fronts or a generic freestanding screen in front of the unit can greatly reduce hearth temperatures. Any hearth within 4 inches of the base of the heater must be constructed of non-combustible materials (see diagrams in the following pages). Note that some materials, although safe can degrade due to heat—take this into consideration when choosing materials.


When the appliance is installed directly on carpeting, tile or other combustible material other than wood flooring, the appliance shall be installed on a metal or wood panel extending the full width and depth of the appliance
Top of Finished Hearth Must Be Flush With Bottom of Heater to accommodate some optional mantels and trims. See Option section towards the end of this manual for optional accessories.

NOTE:

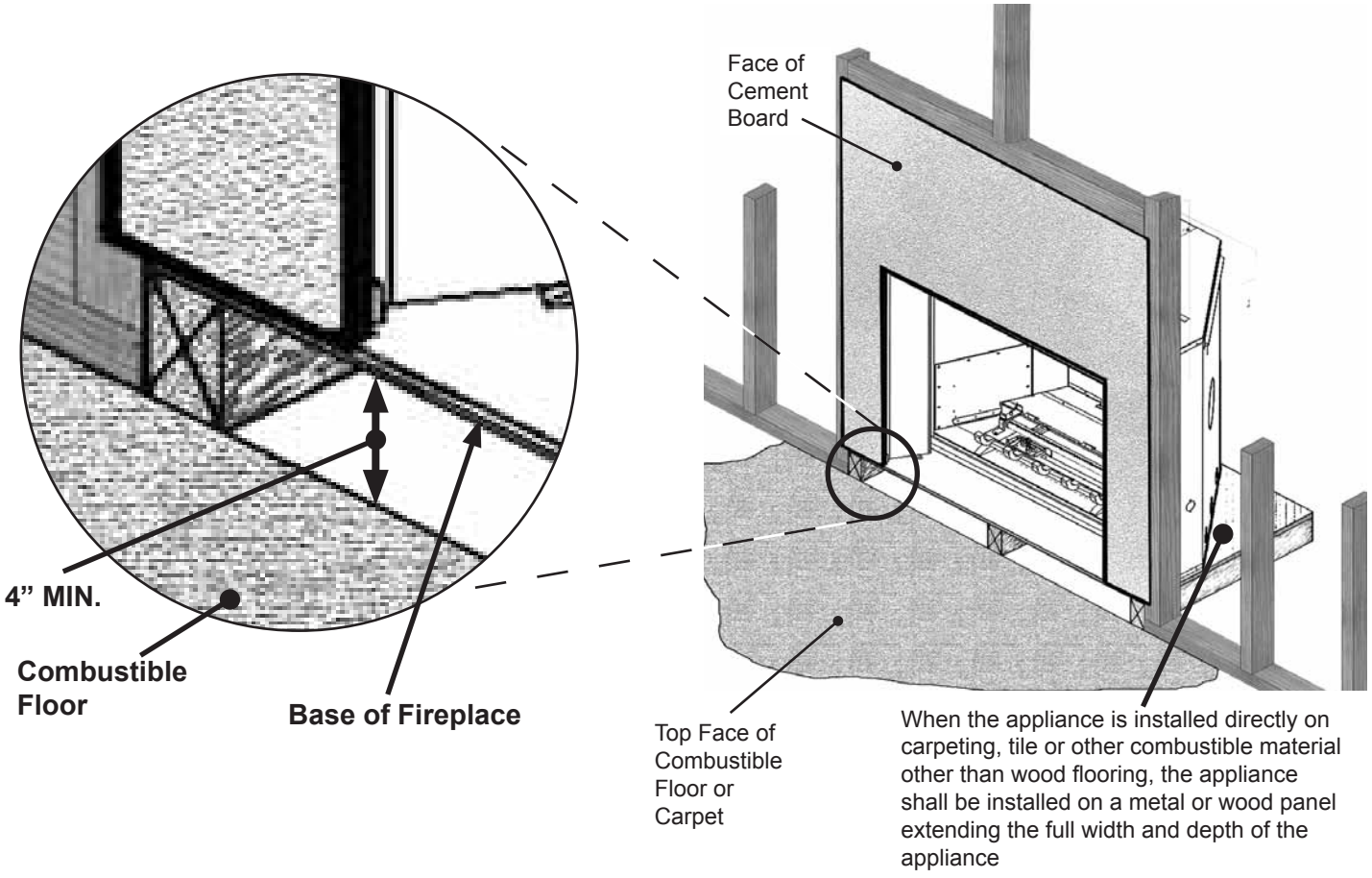
- Unit will need to be raised in almost every case to accommodate hearth or combustible flooring.
- Non-combustible hearth required if bottom of fireplace is less than 4” from combustible floor in front.

Hearth Requirements

Rules

1. Any hearth/floor in front of fireplace within 4 inches of the bottom of the unit must be non-combustible and project a minimum distance as shown on page 14. The hearth/floor must have a non-combustible finish **applied over the 1/2 inch insulation board** provided with the engine. This insulation board acts as a thermal break.
2. Minimum hearth projection is determined by a combination of the height of the hearth above the surface of combustible floor or carpet and the distance between the hearth and the bottom of the fireplace.
3. Combustible baseboards (1 inch thick or less) located on the wall are acceptable provided they are located below the base of the raised fireplace.

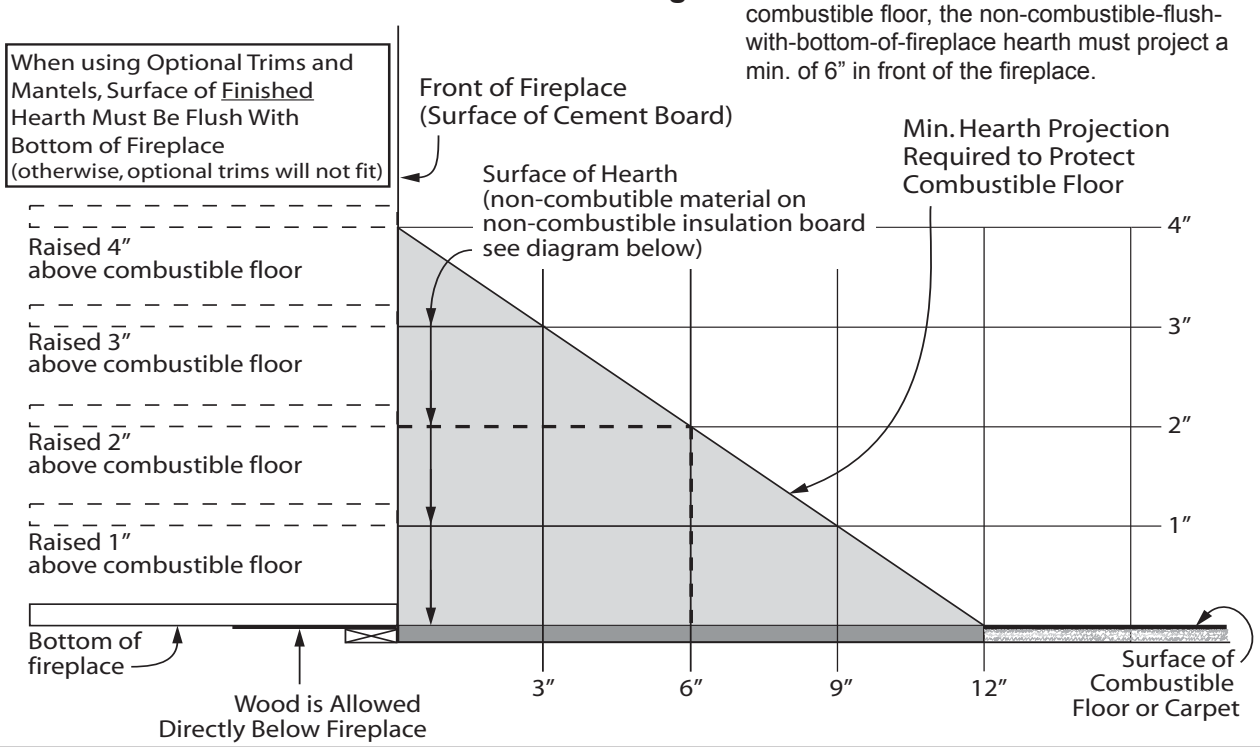
Unit Raised Above Combustible Hearth or Floor


Face of Cement Board
4" MIN.
Combustible Floor
Base of Fireplace
Top Face of Combustible Floor or Carpet
When the appliance is installed directly on carpeting, tile or other combustible material other than wood flooring, the appliance shall be installed on a metal or wood panel extending the full width and depth of the appliance

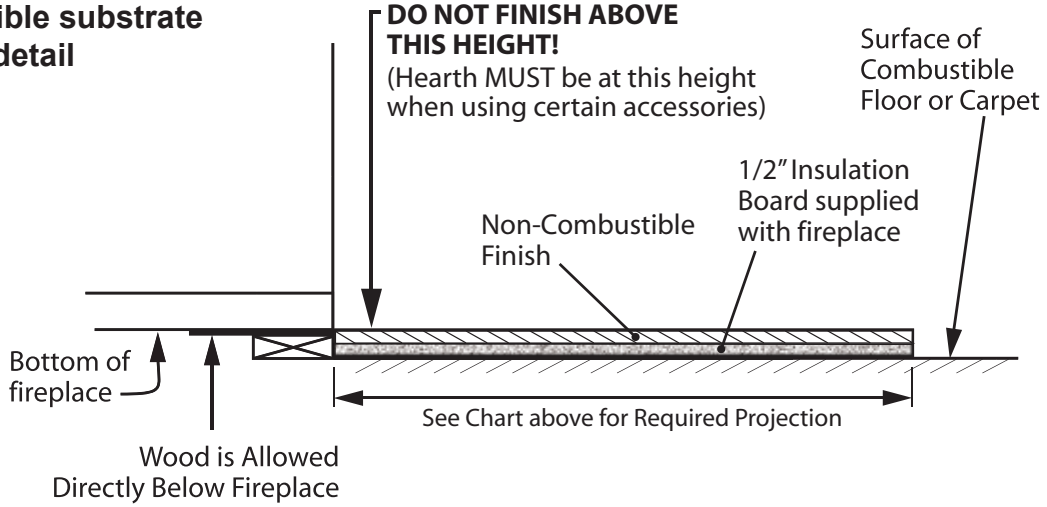
Hearth Requirements

Unit With Site-Built Non-Combustible Hearth Extending

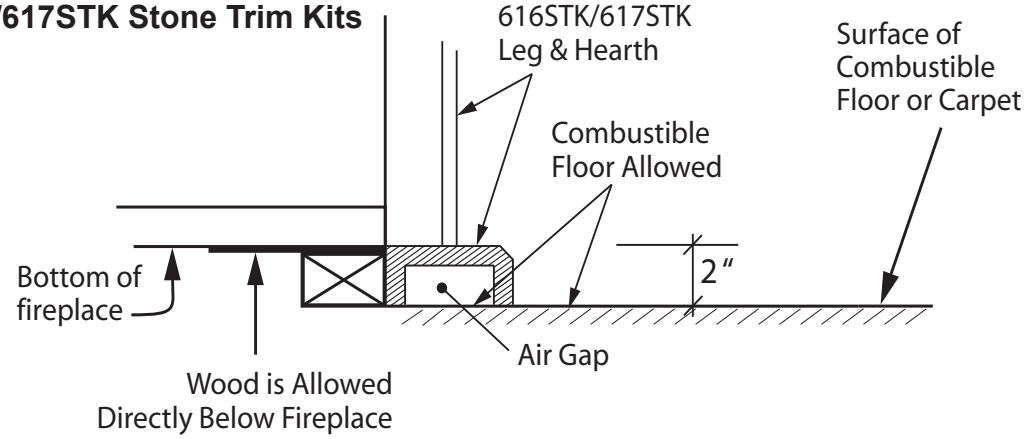
Example: If the fireplace is raised 2" above combustible floor, the non-combustible-flush-with-bottom-of-fireplace hearth must project a min. of 6" in front of the fireplace.

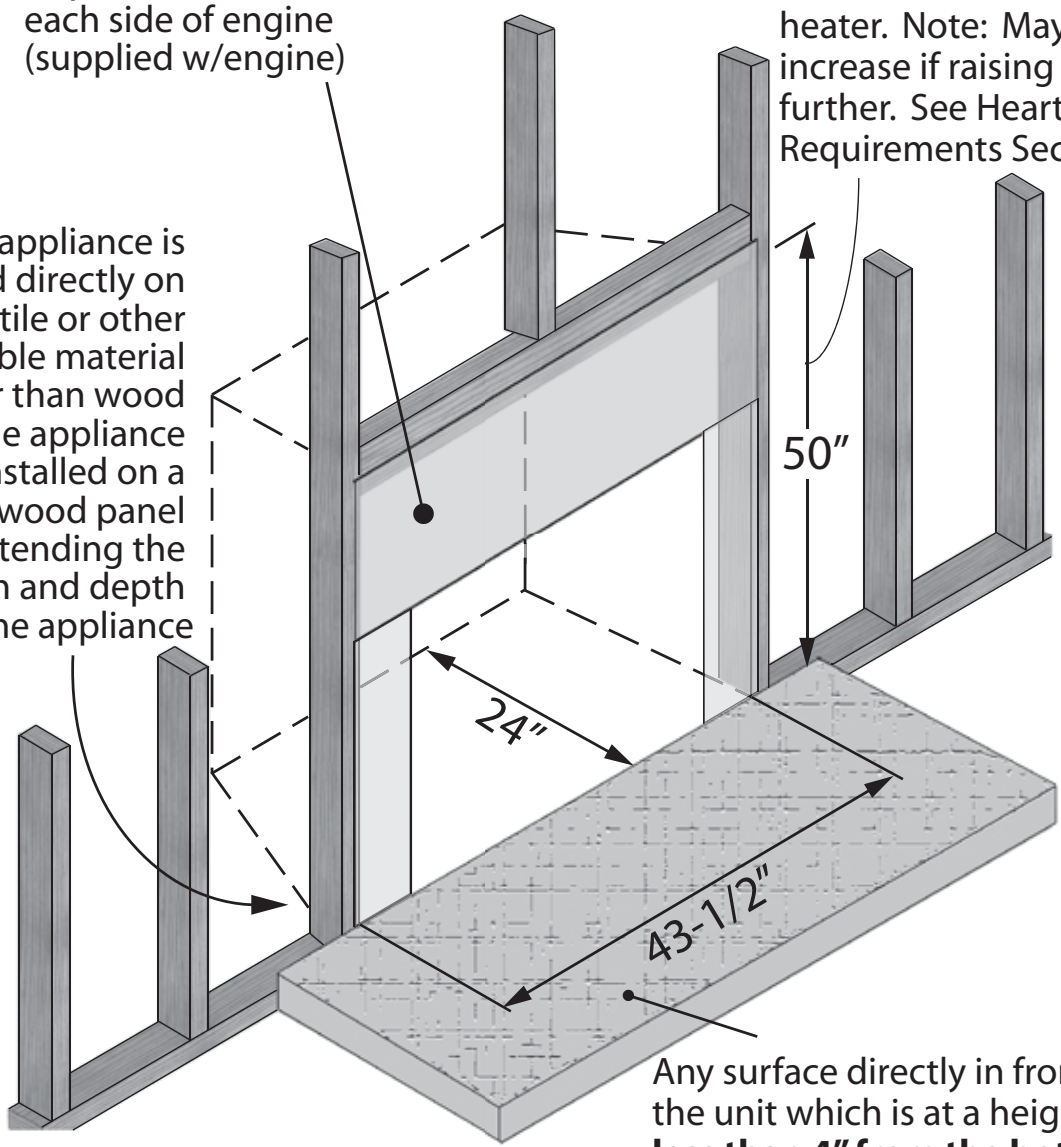

When using Optional Trims and Mantels, Surface of Finished Hearth Must Be Flush With Bottom of Fireplace (otherwise, optional trims will not fit)
Front of Fireplace (Surface of Cement Board)
Min. Hearth Projection Required to Protect Combustible Floor
Surface of Hearth (non-combutible material on non-combustible insulation board see diagram below)
Raised 4" above combustible floor
Raised 3" above combustible floor
Raised 2" above combustible floor
Raised 1" above combustible floor
4"
3"
2"
1"
Bottom of fireplace
Wood is Allowed Directly Below Fireplace
3"
6"
9"
12"
Surface of Combustible Floor or Carpet

Non-combustible substrate construction detail


DO NOT FINISH ABOVE THIS HEIGHT!
(Hearth MUST be at this height when using certain accessories)
Surface of Combustible Floor or Carpet
1/2" Insulation Board supplied with fireplace
Non-Combustible Finish
Bottom of fireplace
See Chart above for Required Projection
Wood is Allowed Directly Below Fireplace

Using 616/617STK Stone Trim Kits




1/2" thick cement board required above and on each side of engine (supplied w/engine)
Between underside of header and base of heater. Note: May increase if raising heater further. See Hearth Requirements Section.
When the appliance is installed directly on carpeting, tile or other combustible material other than wood flooring, the appliance shall be installed on a metal or wood panel extending the full width and depth of the appliance
50"
24"
43-1/2"
Any surface directly in front of the unit which is at a height of **less than 4" from the bottom of the unit must be non-combustible**. See chart for minimum non-combustible projection required to protect combustible flooring in front.

FRAMING DIMENSIONS

Vent Material

This unit is approved for installation using 4 x 6-5/8 inches coaxial direct vent pipe and accessories manufactured by Simpson Dura-Vent. Follow the installation instructions supplied with the individual venting accessories.

Simpson Dura-Vent DV Venting Accessories

Termination Caps
- 46DVA-HC—Standard Coaxial Horizontal
- 46DVA-VC—Standard Coaxial Vertical
- 46DVA-VCH—High Wind Coaxial Vertical
- 46DVA-VCE—Extended Coaxial Vertical
- 46DVA-SNK14—Snorkel, 14” Rise
- 46DVA-SNK36—Snorkel, 36” Rise

DV 45º Elbows
- 46DVA-E45—Galvanized
- 46DVA-E45B—Black

DV 90º Elbows
- 46DVA-E90—Galvanized
- 46DVA-E90B—Black

Pipes 4” x 6-5/8”
- 46DVA-06—Galvanized, 6” long
- 46DVA-06B—Black, 6” long
- 46DVA-09—Galvanized, 9” long
- 46DVA-09B—Black, 9” long
- 46DVA-12—Galvanized, 12” long
- 46DVA-12B—Black, 12” long
- 46DVA-18—Galvanized, 18” long
- 46DVA-18B—Black, 18” long
- 46DVA-24—Galvanized, 24” long
- 46DVA-24B—Black, 24” long
- 46DVA-36—Galvanized, 36” long
- 46DVA-36B—Black, 36” long
- 46DVA-48—Galvanized, 48” long
- 46DVA-48B—Black, 48” long

Flashing
- 46DVA-F6—Roof 0/12–6/12
- 46DVA-F12—Roof 7/12–12/12
- 46DVA-FF—Flat roof

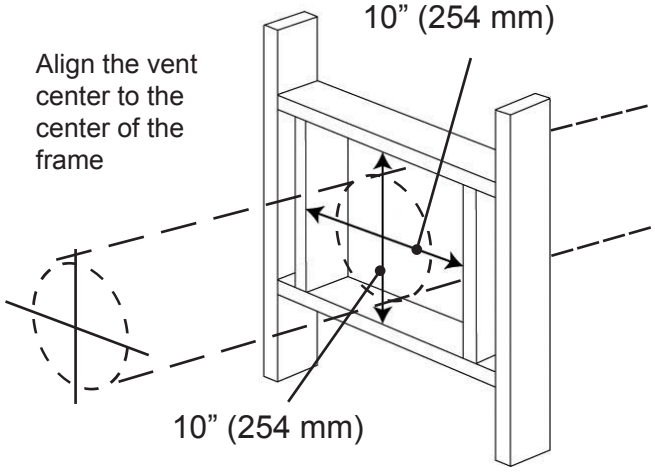
Other accessories
- 46DVA-WT—Wall Thimble
- 46DVA-SC—Storm Collar
- 46DVA-DC—Decorative Plate
- 46DVA-CS—Cathedral Ceiling Support
- 46DVA-FS—Ceiling Firestop / Floor Support
- 46DVA-WS—Wall Strap
- 46DVA-VSS—Vinyl Siding Standoff
- 46DVA-ES—Elbow Strap
- 46DVA-WG—Terminal Guard

Wall Thickness

The appliance vent is suitable for penetrating a combustible wall assembly up to 8 inches in thickness. A non-combustible wall can be of any thickness up to the maximum horizontal run of vent pipe allowed for the particular installation.

Framing Vent in Combustible Walls & Ceilings

When penetrating through combustible walls and ceilings, frame a minimum of 10 x 10 inches opening and ensure that the insulation is kept clear of the vent pipe using either a wall thimble or an attic insulation shield. Follow the installation instructions supplied with the individual venting components.



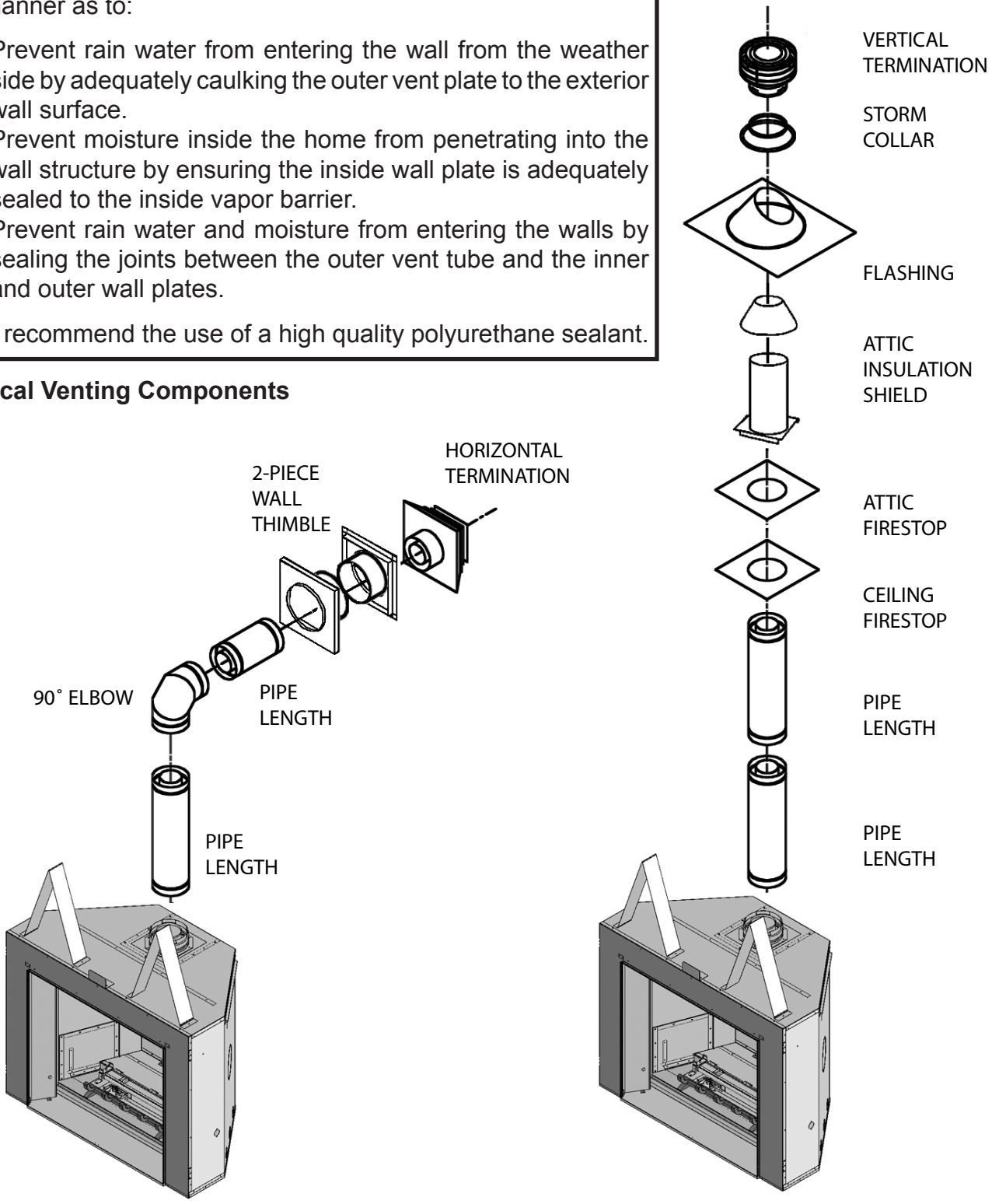
Important Installer Notice – Weather Sealing & Vapor Barriers

It is the installer's responsibility to ensure that vent installations through exterior walls are caulked and weatherproofed in such a manner as to:

- Prevent rain water from entering the wall from the weather side by adequately caulking the outer vent plate to the exterior wall surface.
- Prevent moisture inside the home from penetrating into the wall structure by ensuring the inside wall plate is adequately sealed to the inside vapor barrier.
- Prevent rain water and moisture from entering the walls by sealing the joints between the outer vent tube and the inner and outer wall plates.

We recommend the use of a high quality polyurethane sealant.

Typical Venting Components

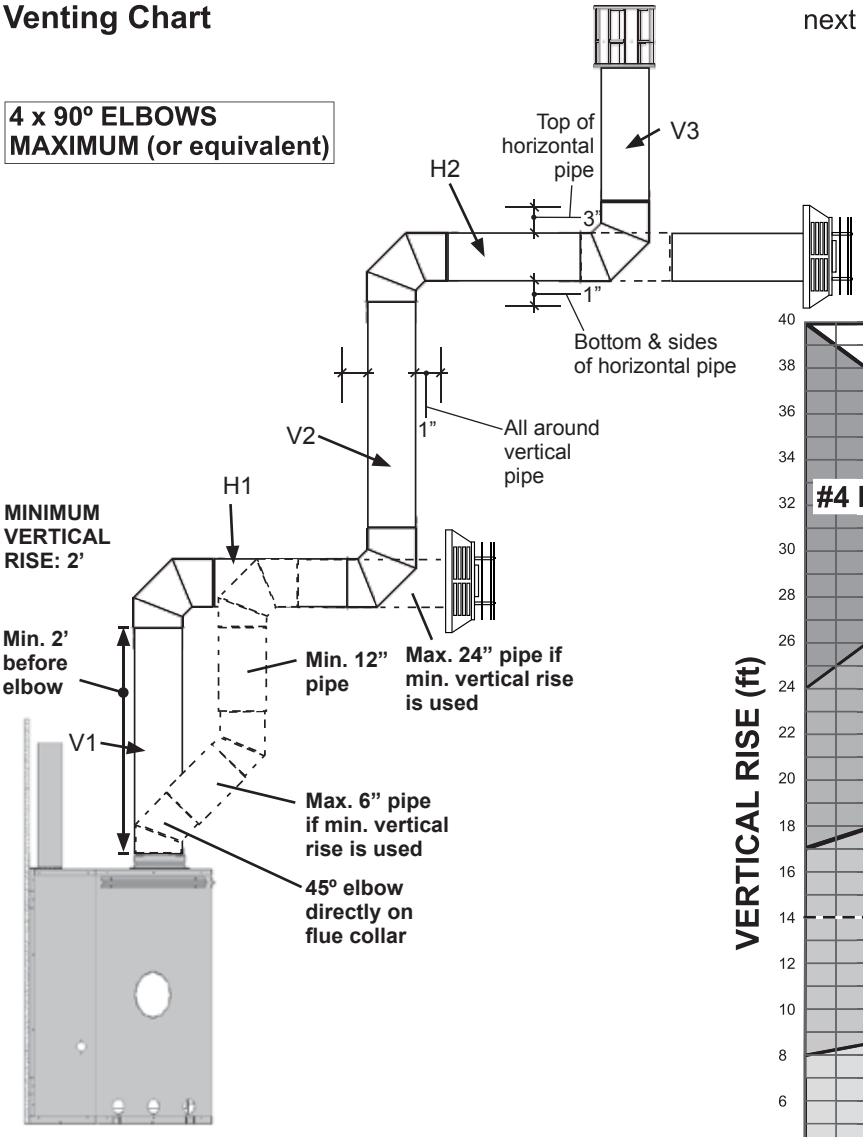


How to Read the Venting Chart

The chart below applies to roof or wall termination.

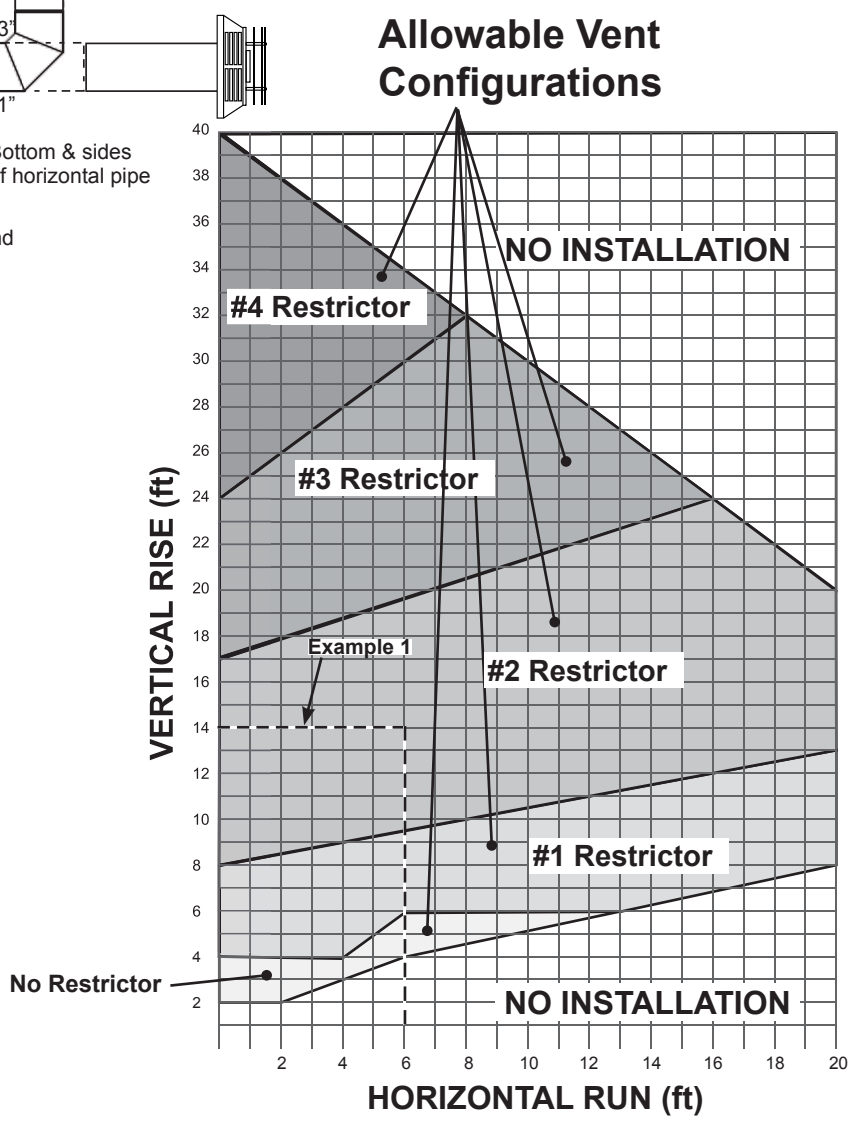
1. The total length of the vent pipe cannot exceed 40 feet (12.2 m).
2. The minimum vertical height with roof termination is 6 feet (1.83 m).
3. Any combination of rise and run can be used as long as they are within the allowable limits shown on the chart below.
4. A maximum of 4 x 90 degrees elbows—or equivalent (2 x 45 degr. = 90 degr.)—can be used.
5. Each 90 degrees elbow installed on the horizontal plane is equivalent to a 3 feet horizontal pipe; therefore, 3 feet must be subtracted from allowable horizontal run. (45 degrees elbow is equivalent to 18 inches horizontal pipe.)
6. All horizontal pipe runs must be graded 1/4 inch per foot upwards in the direction of the exhaust flow. The final pipe length, when terminating through the wall may be graded downwards slightly to prevent water migration.
7. Co-linear venting is **not allowed**.
8. A restrictor is required for many installations—see next section.

Venting Chart



Example 1

V Value = V1 (6') + V2 (6') + V3 (2')= 14'
H Value = H1 (3') + H2 (3') = 6'
#2 Restrictor position required

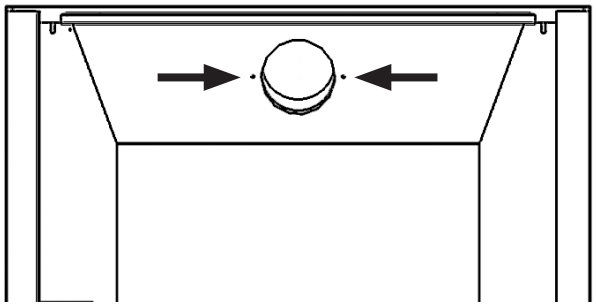


Restrictor

MANY INSTALLATIONS REQUIRE A RESTRICTOR for improved flame picture and performance, This unit is supplied with one restrictor having four different positions or settings. The level of restriction required depends on the vertical rise in the venting system and, to a lesser degree, the horizontal run and number of elbows.

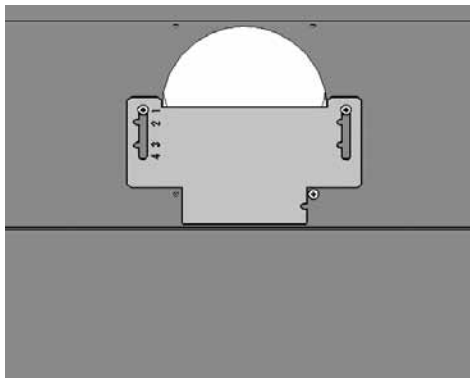
The amount of restriction is based on laboratory tests. The ideal restrictor position may vary slightly, especially when the vent pipe length is near the limits of the acceptable configurations for each type of restrictor.

The chart on the previous page shows the vent restrictor required relative to the length of the vent pipe.

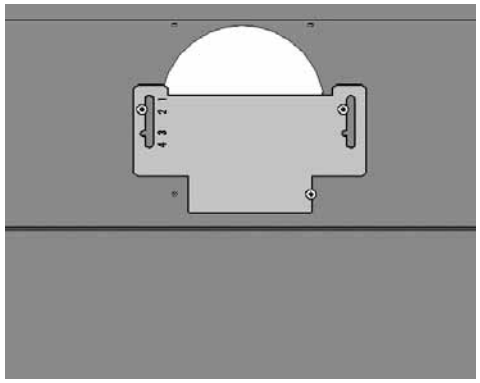


To install the restrictor:

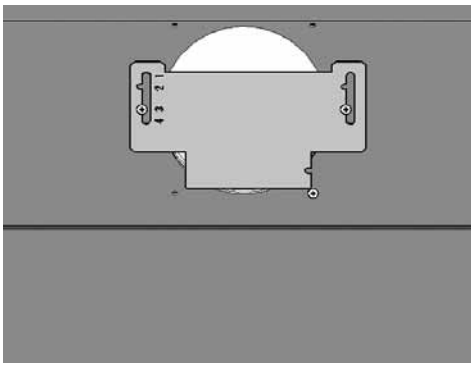
1. On an engine previously installed, open the panels on each side of the window. Remove the window skirt, the window, the logs, the right and rear top brick panels.
2. According to the installation, look up the venting chart on the previous page to know what position the restrictor should be fitted in.
3. Remove the screws (2) on each side of the venting port.
4. Place the restrictor in the required position over the two holes.
5. Fit the screws and tighten.
6. Continue the installation or, for an engine previously installed, replace the right and rear top brick panels, the logs, the window and the window skirt. Close the side panels.



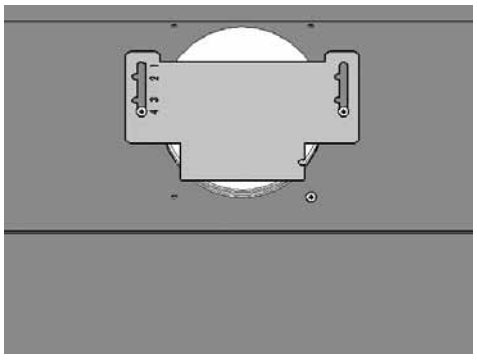
Position #1



Position #2



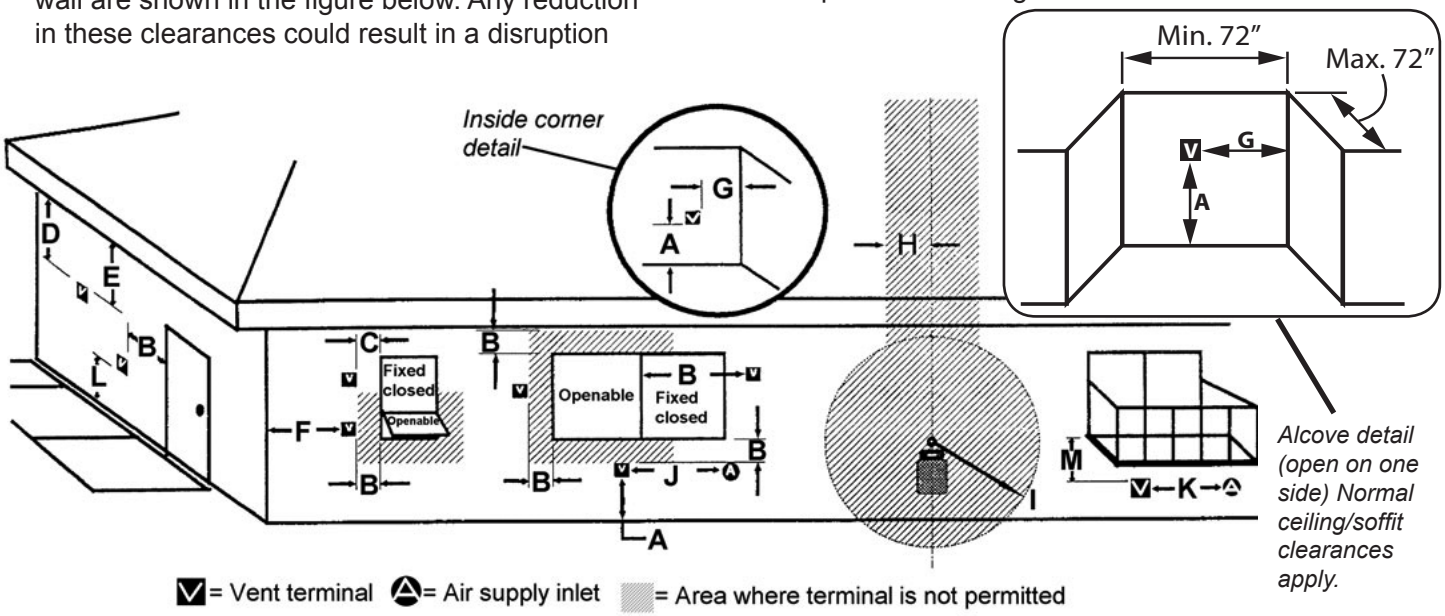
Position #3



Position #4

Vent Termination

- The vent terminal must be located on an outside wall or through the roof.
- This direct vent appliance is designed to operate when an undisturbed airflow hits the outside vent terminal from any direction.
- The minimum clearances from this terminal that must be maintained when located on an outside wall are shown in the figure below. Any reduction in these clearances could result in a disruption of the airflow or a safety hazard. Local codes or regulations may require greater clearances.
- The vent terminal must not be recessed into a wall or siding.
- The vent terminal should be positioned where it will not be covered by snowdrifts.
- Sidewall vent terminations within 7 feet of grade require a terminal guard.



Alcove detail (open on one side) Normal ceiling/soffit clearances apply.

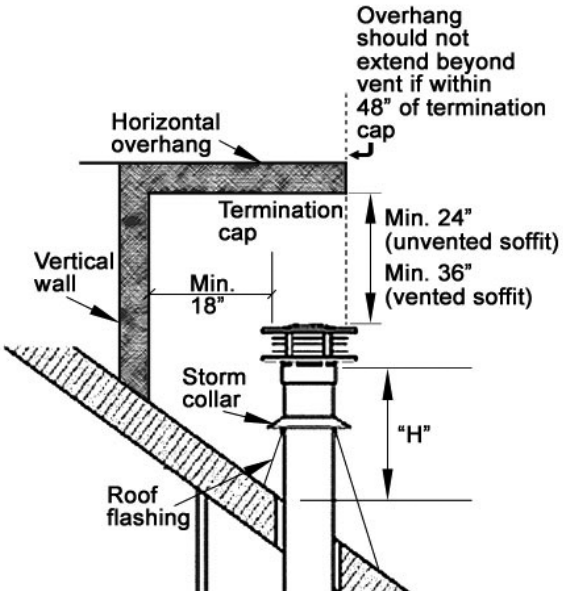
KEY	VENT TERMINAL LOCATIONS - MINIMUM DISTANCES	MINIMUM CLEARANCE	
		Inches	Cm
A	Clearance above grade, verandah, porch, deck or balcony	12	30
B	Clearance to window or door that may be opened	12	30
C	Clearance to permanently closed window (recommended to prevent condensation on window)	12	30
D	Vertical clearance to ventilated soffit located above the terminal within a horizontal distance of 2 feet (60 cm) from the center-line of the terminal	18	46
E	Clearance to unventilated soffit	12	30
F	Clearance to outside corner	12	30
G	Clearance to inside corner	12	30
H	Horizontal clearance to center-line of meter/regulator assembly located within 15 feet (4,6 m) below the terminal	36	90
I	Clearance to service regulator vent outlet	36	90
J	Clearance to non-mechanical air supply inlet to the building or the combustion air inlet to any other appliance	12	30
K	Clearance to a mechanical air supply inlet	72	180
L	Clearance above paved sidewalk or a paved driveway located on public property **Note**: *A vent must not terminate directly above a sidewalk or paved driveway, which is located between two single-family dwellings and serves both dwellings*	84	210
M	Clearance under a verandah, porch, deck or balcony *Only permitted if veranda, porch, deck or balcony is fully open on a minimum of 2 sides beneath the floor*	12	30

Note: Local codes and regulations may require different clearances.

Venting

Vertical Vent Termination

Roof Pitch	Minimum "H" (feet)
Flat to 7/12	1'
Over 7/12 to 8/12	1.5'
Over 8/12 to 9/12	2'
Over 9/12 to 10/12	2.5'
Over 10/12 to 11/12	3.25'
Over 11/12 to 12/12	4'
Over 12/12 to 14/12	5'



Installation Planning

Installer—READ THIS FIRST

1. **YOU NEED TO KNOW FROM THE HOMEOWNER:**
   - The height of the floor or hearth finish;
   - The thickness and type of the wall finish around the firebox opening;
   - What accessories (surround, door, etc.) will be installed with this fireplace if any;
   - The venting configuration.
2. Unpack the appliance.
3. Check that you have everything.
4. Finish framing.
5. Fit appliance into framing.
6. Remove overlay and fix the appliance to the floor.
7. Reinstall the overlay.
8. Install venting system.
9. Install restrictor.
10. Connect and test gas supply.
11. Install bricks and logs.
12. Refit window.
13. Connect electrical wiring for decorative light.
14. Install optional wall switch if required.
15. Put batteries in receiver and remote control handset.
16. Perform initial remote control set-up.
17. Verify operation and adjust aeration settings.
18. Install the remote control handset wall holder.
19. **Instruct the homeowner on the operation and maintenance of the fireplace.**
20. Install the window skirt.
21. Install the control access doors.
22. Install the andirons and fret if required.
23. Finish the wall around the fireplace.
24. Install the surround/doors/mantel if required.

Tools and supplies required

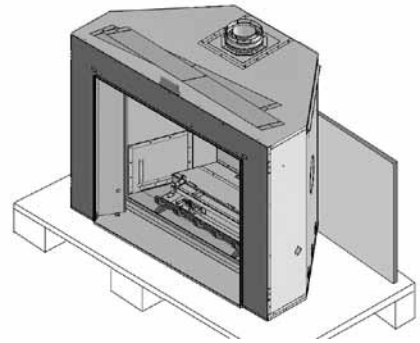
- Packing knife
- Claw hammer
- Screwdriver set
- Metric socket set
- Pliers
- Adjustable Wrench
- Sealant
- Dish soap/water solution
- Gloves
- Eye Protection
- Dimmer Switch
- Electrical outlet box
- Electrical wire and clamp
- Cover plate for dimmer switch

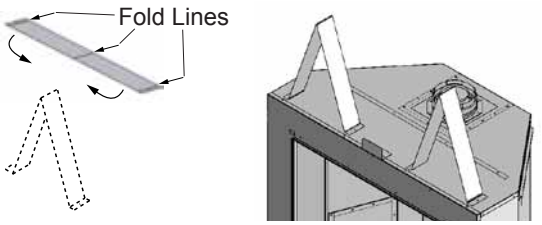
Unpacking the appliance

To assist you, we have included the cement and hearth insulation boards required in the installation. The boards need to be removed and reinstalled with care. Two of the boards are fixed temporarily to the back of the appliance for transportation purpose. When disassembling the crate into which the appliance is located, be careful not to damage these boards.

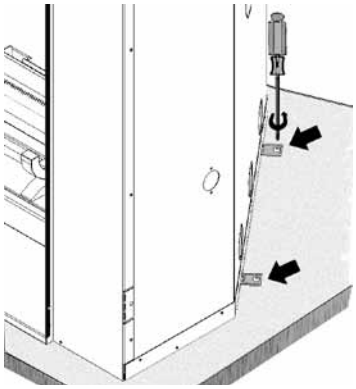
Beware of sharp edges! Wear gloves!

1. Remove the cardboard wrapping and the wood pallet from the appliance and discard.
2. Remove the cement board and hearth insulation board from the rear of the appliance and *set aside with screws* for future use.
3. Remove the cement boards from the front of the appliance and *set aside with screws* for future use. These boards must be removed to allow space to fix the fireplace to the framing through its four side tabs.
4. Unpack any loose items from around the appliance.
5. Remove the window and set aside in a safe place to avoid damage—see next page.
6. **Verify that you have all the components required for the installation, *including:***
   - ***brick panels (in separate carton);***
   - ***surround/doors/fret/andirons;***
   - ***venting components and accessories;***
   - ***electrical components for installation of the decorative light wall switch.***
7. The standoffs are supplied flat on the firebox and fixed at one end. Bend them as shown and fix the loose end to the top of the firebox.

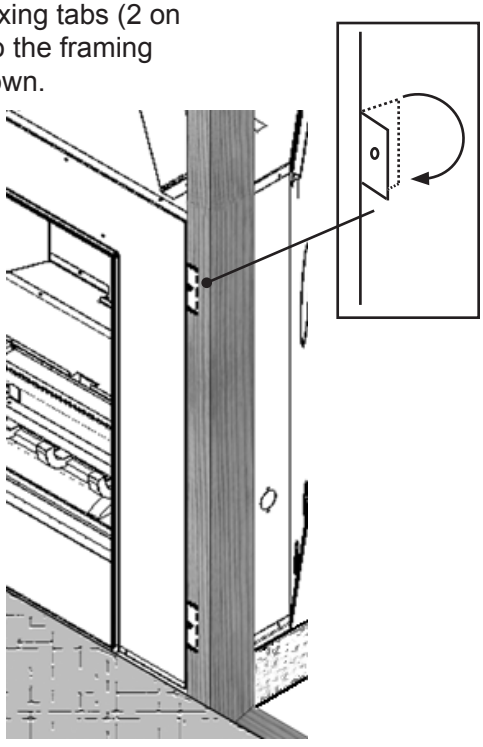




8. Remove the 4 screws retaining the engine to its pallet.



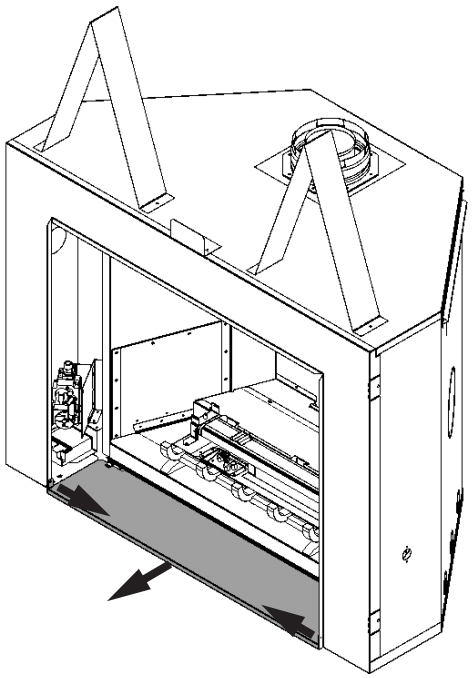
9. On each side of the appliance, bend out the 2 fixing tabs.
10. Taking great care not to cut your hands on the sheet metal edges, lift the appliance out of its packing base and place in the framing. *Make sure that the unit is at the right height with consideration to the trim and the height of the hearth or combustible flooring.*
11. Secure the fixing tabs (2 on each side) to the framing studs as shown.



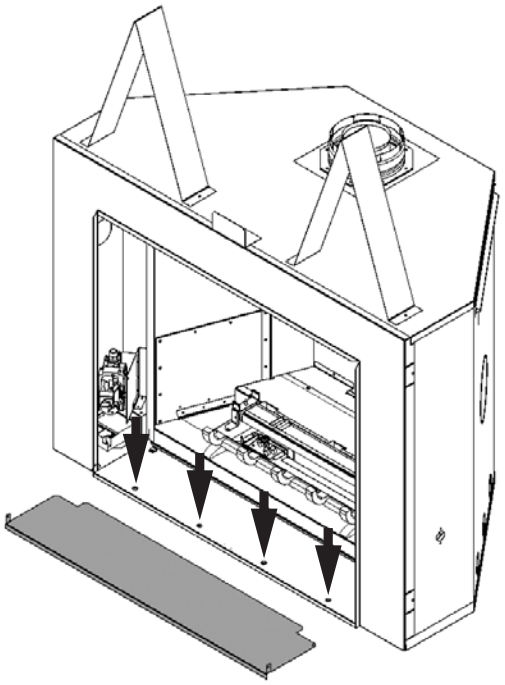
12. Re-install the cement boards on each side and on top of the firebox opening re-using screws removed in 2. and 3.
13. Incorporate the hearth insulation board in the construction of the hearth as required, following the guidelines provided in the *Hearth Requirements* section of this manual.

Fixing the appliance to the floor

1. Remove the front bottom overlay panel by removing 2 screws on each side and slide the panel out from under the firebox.



2. Screw the appliance to the floor with 4 countersunk wood or cement screws (not provided).



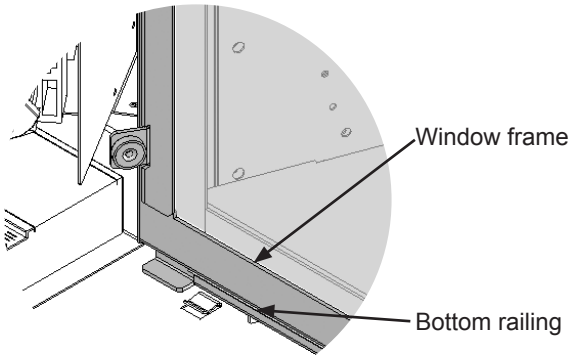
3. Reinstall the overlay panel sliding it in the clips under the edge of the firebox and fixing it back to the bottom sides of the opening frame with 2 screws.

Appliance Preparation

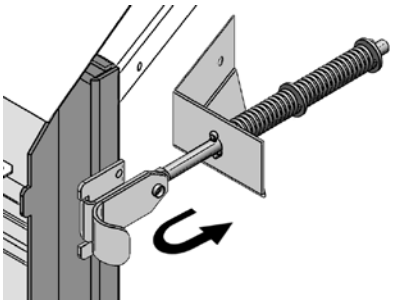
Window Removal

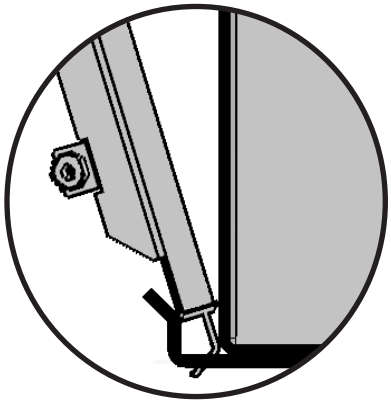
The window is held in place by a spring-loaded lever on each side.

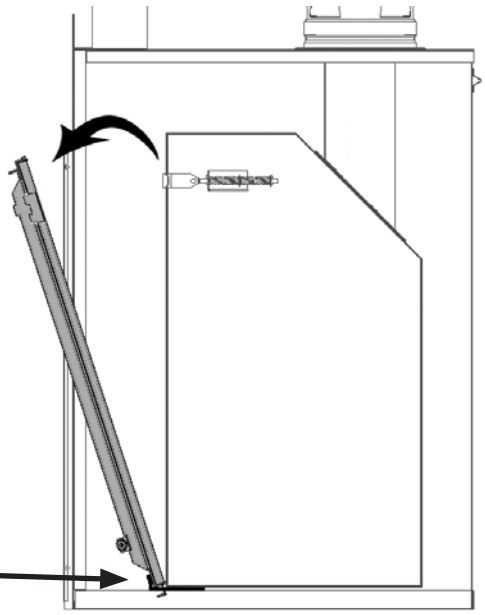
1. To remove the window, locate the levers on each side of the window towards the top. Using your finger, pull the lever towards you and unhook it from the window frame bracket.
2. Gently pull the top of the window outward.
3. Lift the window out of its bottom railing and set it aside in a safe place to avoid damage.

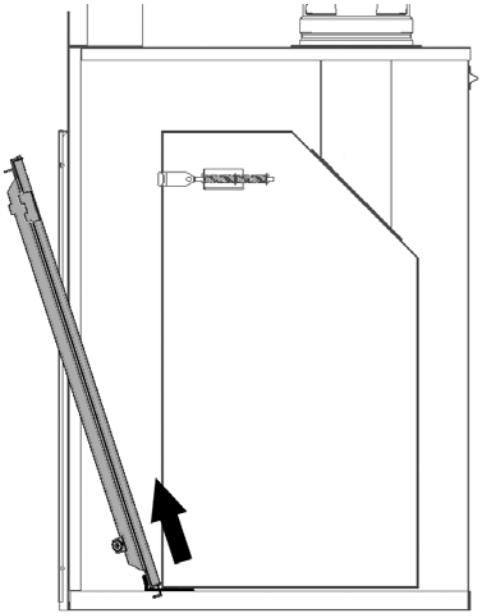


Section Views



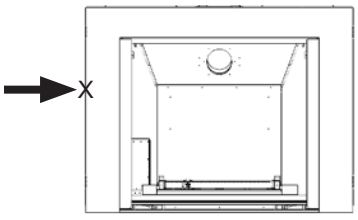






Supply Gas

The gas supply inlet connection is a 3/8 inch NPT female connector and is located on the left hand side of the firebox.



Use only new black iron or steel pipes or copper tubing if acceptable—check local codes. Note that in USA, copper tubing must be internally tinned for protection against sulfur compounds.

Unions in gas lines should be of ground joint type.

The gas supply line must be sized and installed to provide a supply of gas sufficient to meet the maximum demand of the appliance without undue loss of pressure.

Sealant used must be resistant to the action of all gas constituents including LP gas. Sealant should be applied lightly to male threads to ensure excess sealant does not enter gas lines.

Supply Gas

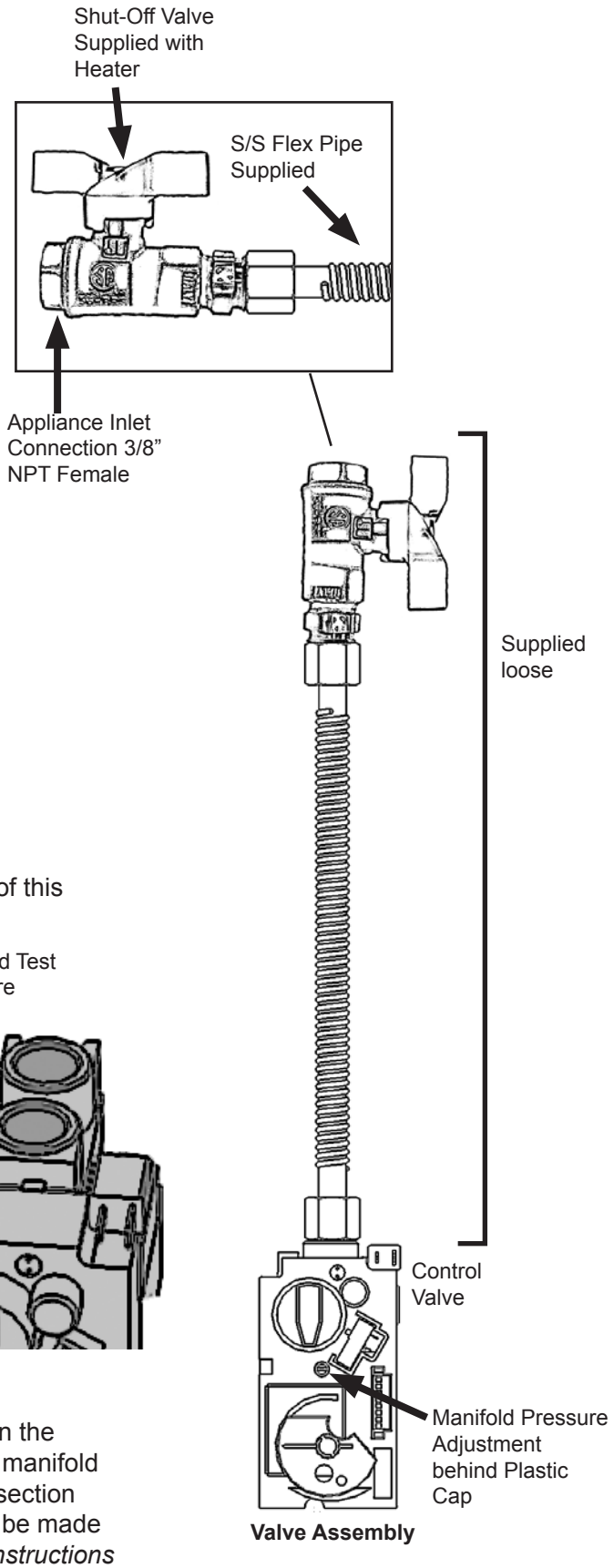
The unit is supplied with a manual shut-off valve and stainless steel flex line to allow the appliance to be disconnected for servicing. The flex line and shut-off valve are supplied loose to avoid damage during shipping. Connect the assembly to the appliance regulator as shown below ensuring that the pressure test tap on the valve is accessible for future use.

Pressure test the supply line for leaks.

The appliance and its individual shut-off valve must be disconnected from the gas supply piping system during any pressure testing of that system at test pressures in excess of 1/2 psig (3.5 kPa).

The appliance must be isolated from the gas supply piping system by closing its individual manual shut-off valve during any pressure testing of the gas supply piping system at test pressures equal to or less than 1/2 psig (3.5 kPa).

Failure to either disconnect or isolate the appliance during pressure testing may result in regulator or valve damages and void the warranty. Consult your dealer in case of damages.The unit is supplied with a manual shut-off valve and stainless steel flex line to allow the appliance to be disconnected for servicing. The flex line and shut-off valve are supplied loose to avoid damage during shipping. Connect the assembly to the appliance as shown below.



Valve Assembly

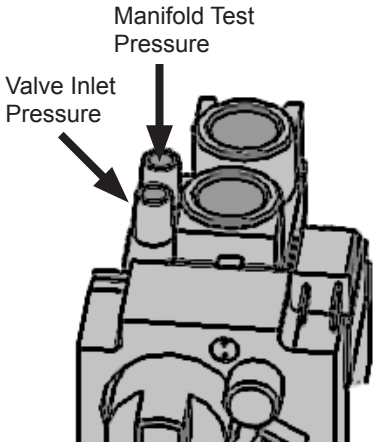
Pressure Test Points

The minimum supply pressure is given in the section *Ratings* of this manual—page 7.

All piping and connections must be tested for leaks after installation or servicing. All leaks must be corrected immediately.

When testing for leaks:

- Make sure that the appliance is turned off.
- Open the manual shut-off valve.
- Test for leaks by applying a liquid detergent or soap solution to all joints. Bubbles forming indicate a gas leak.
  Never use an open flame to check for leaks.
  Correct any leak detected immediately.

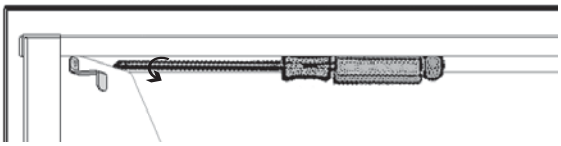


The pressure test tapping locations are shown in the figures on the right. An internal regulator within the valve controls the burner manifold pressure. The correct pressure range is shown in the table in section *Ratings* of this manual on page 7. The pressure check should be made with the burner alight and at its highest setting. See *Lighting Instructions* section for full operating details on page 39.

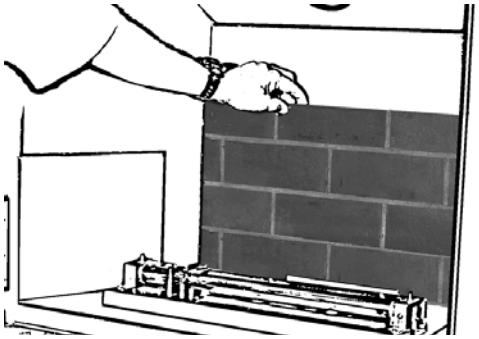
Ceramic Bricks

The following guidelines apply for all brick liners.

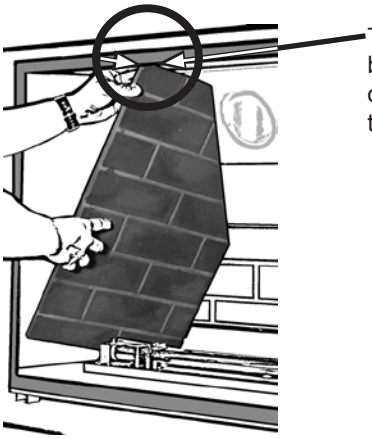
1. Inside the firebox, on the top of each side, release the screw of the side brick anchors (one per side).



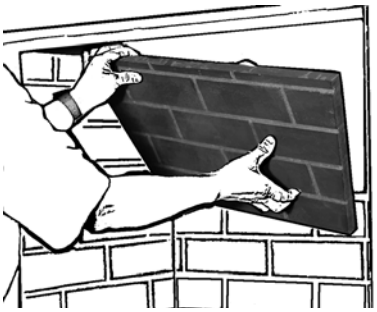
2. Place the rear panel against the back of the firebox, behind the retainer at bottom.



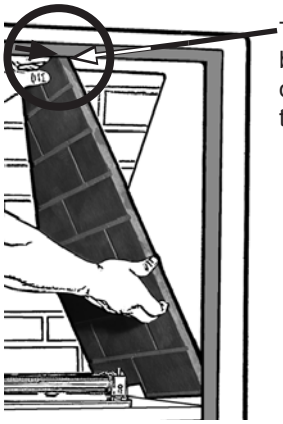
3. Hold the left hand side panel at an angle and insert it totally inside the firebox, **behind the top outer edge of the firebox**. This will greatly facilitate the installation. Slide the bottom first and then the top against the side of the firebox. Rotate the side brick anchor to hold the panel in place.



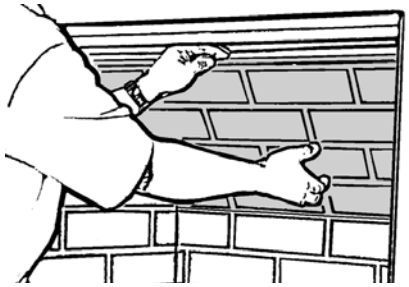
4. Place the top panel over the top edge of the rear and side panels. Leave the panel to balance there until right hand side panel is installed.



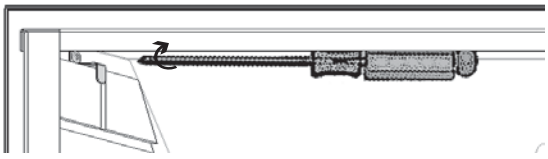
5. Hold the right hand side panel at an angle and insert it totally inside the firebox, **behind the top outer edge of the firebox**. This will greatly facilitate the installation. Slide the bottom first and then the top against the side of the firebox. You may have to lift the top panel slightly to avoid scratching it. Rotate the side brick anchor to hold the panel in place.



6. Make any adjustment by moving the rear top panel slightly.



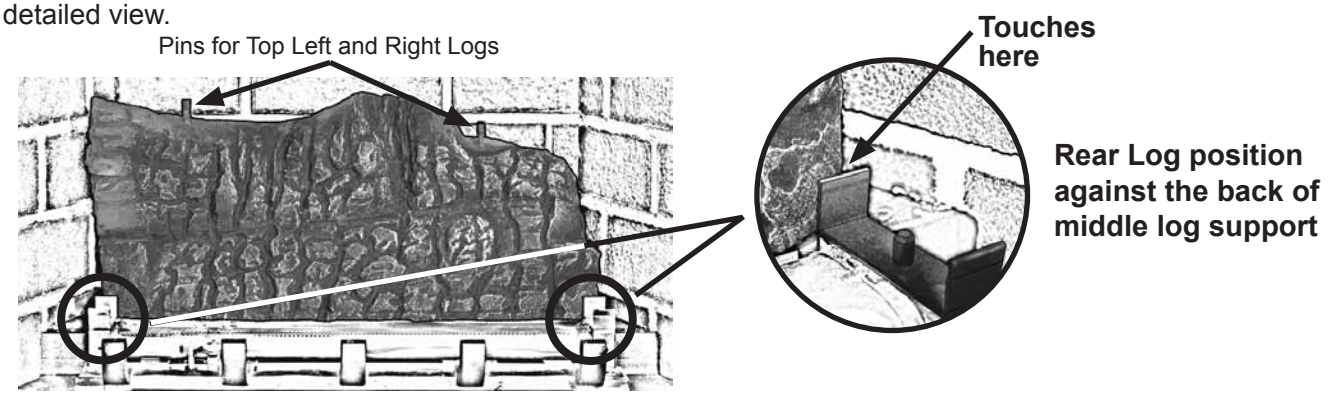
7. Tighten the side brick anchors on each side of the firebox.



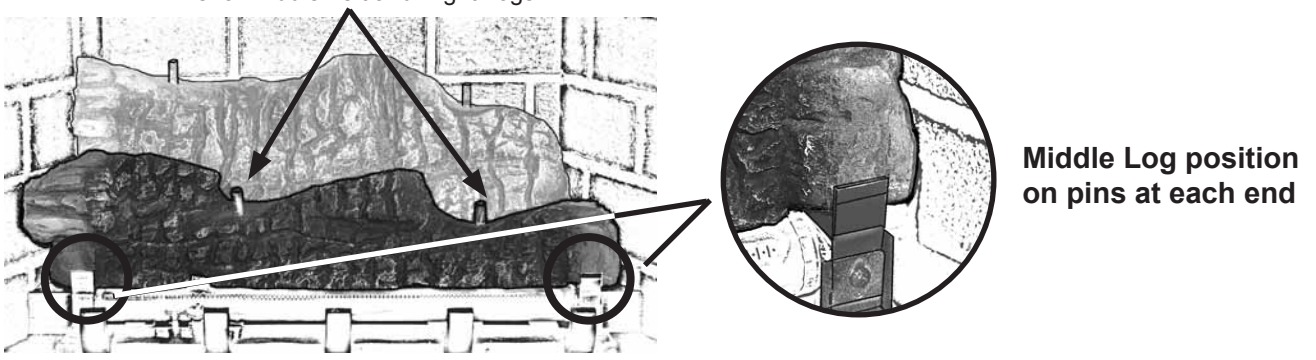
Ceramic Logs

The ceramic logs are supplied in two packages. Unpack them very carefully to avoid damaging the fragile material. Install the logs as shown below. **Please note that <u>the position of the Logs is critical to insure proper performance of the appliance</u>.**

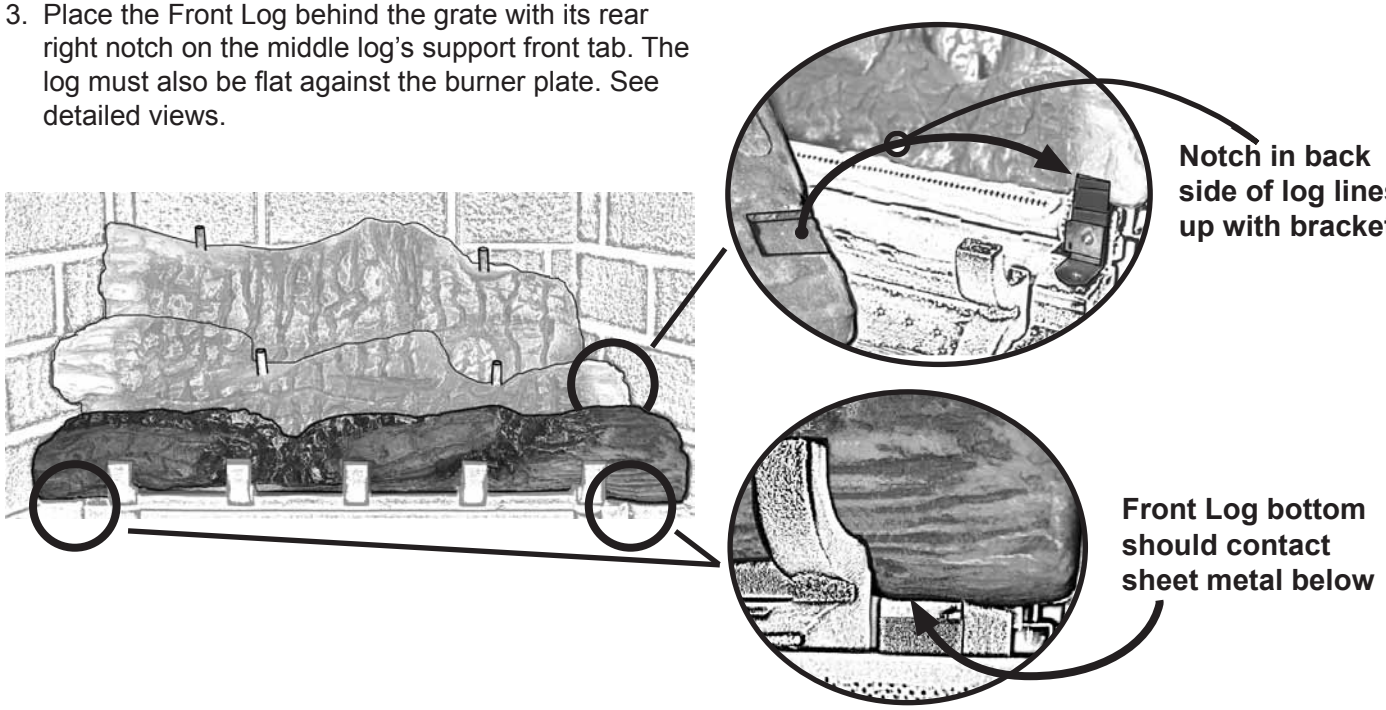
1. Place the Rear Log on the rear log support behind the burner. Pull log forward until it contacts at ends. See detailed view.



2. Place the Middle Log on the pins of the middle log support on the burner. Move the log slightly forward so it sits against the front tabs of the log support. See detailed view.

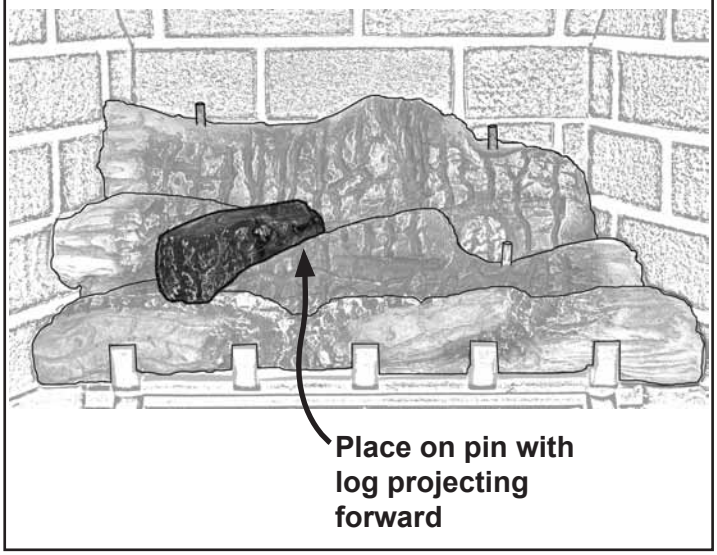


3. Place the Front Log behind the grate with its rear right notch on the middle log's support front tab. The log must also be flat against the burner plate. See detailed views.

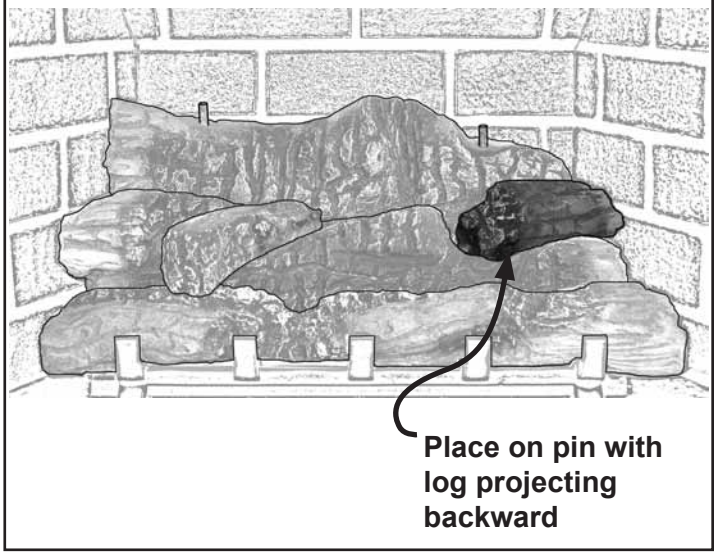


Ceramic Logs

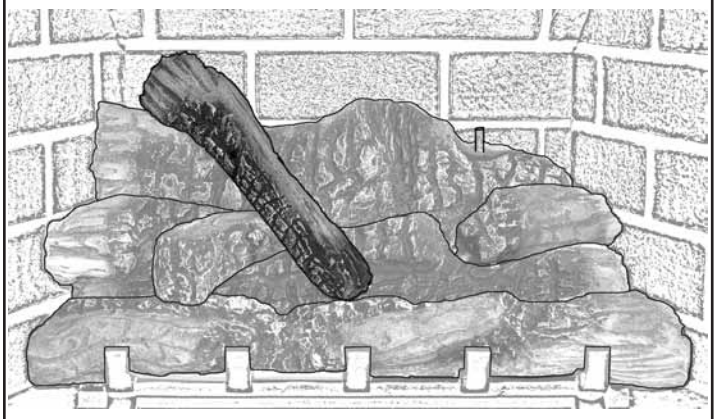
4. Place the narrow end of the Middle Left Log on the left pin of the middle log with its wider end resting on the front log.



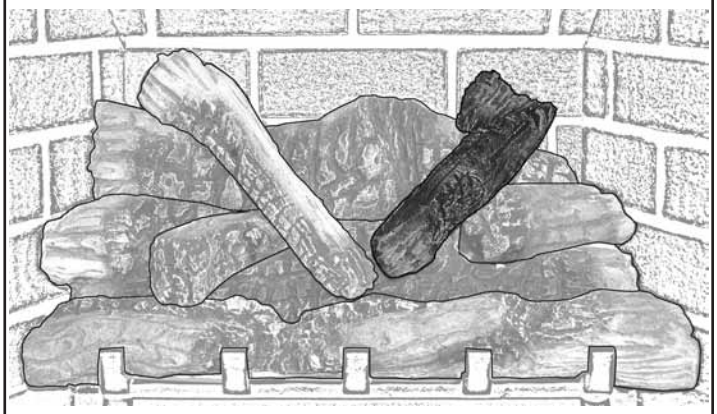
5. Place the charred end of the Middle Right Log on the right pin of the middle log with its lighter end resting on the notch on the far right of the rear log.



6. Place the Top Left Log on the left pin of the rear log with its end resting on the middle left and front logs.

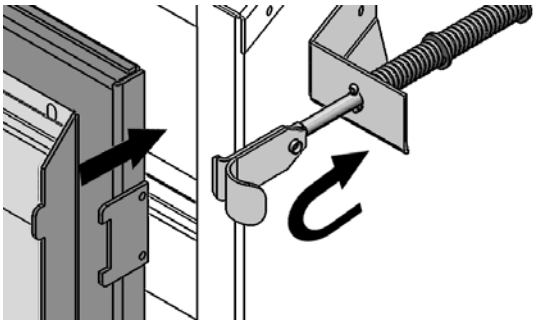


7. Place the Top Right Log on the right pin of the rear log with its narrow end resting on the middle and the middle right logs.

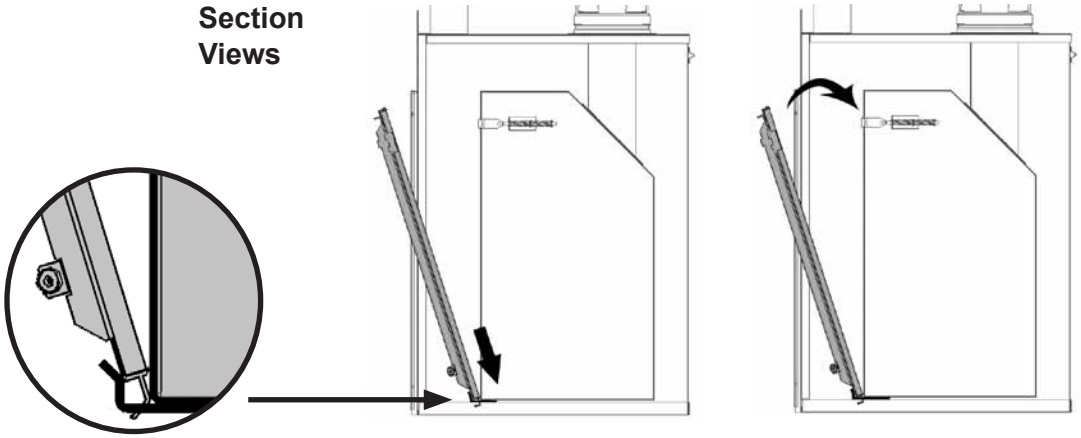


Window Refitting

1. To refit the window, place it in its bottom railing and push its top against the firebox.
2. While you hold it, pull the side levers back into the window brackets on each side.
3. Pull out the top of the window and release it to insure the springs return it.
4. Apply light hand pressure against the window frame sides to bed-in the window seal.



Section Views

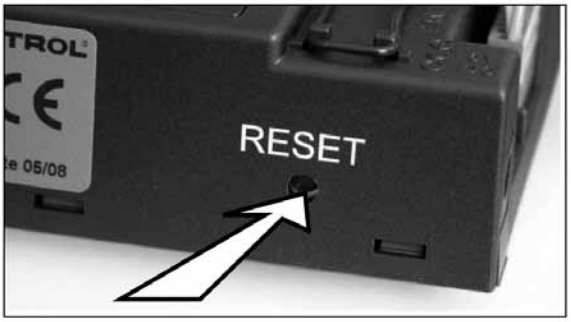


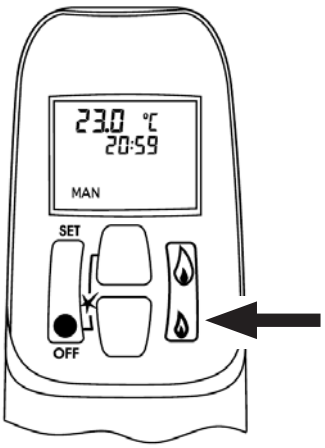
Initial Remote Control Set-up

The receiver and the handset of the remote control system must be initially synchronized before the first use.

1. Insert batteries in the remote control receiver and handset. The receiver is located left of the control valve under the burner module.
2. With a sharp object, press and hold the receiver's reset button until you hear two (2) acoustic signals. After the second, longer acoustic signal, release the reset button.
3. Within the subsequent 20 seconds, press the (small flame) button on the remote handset until you hear an additional long signal confirming the sychronization is set.

This is a one time setting only and is not required when changing the batteries in the remote receiver. The remote control system is now ready to use.





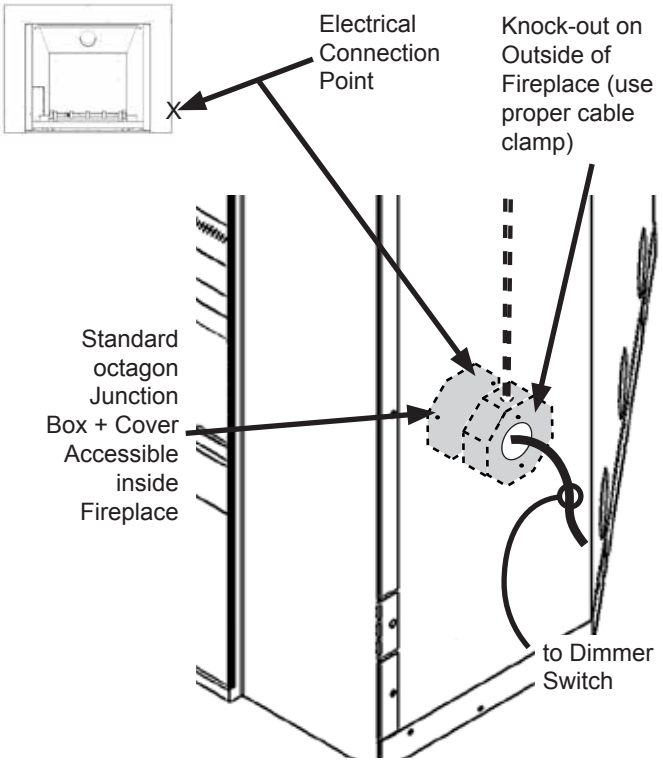
Decorative Lighting Electrical Installation

Wall Dimmer Switch

The electrical installation must be performed by a qualified installer and must be electrically wired and grounded in accordance with local codes, or, in the absence of local codes, with the *National Electrical Code, ANSI/NFPA 70* or the *Canadian Electrical Code, CSA C22.1*.

The fireplace is equipped with a decorative light located in front of and above the window. The light is pre-wired to a junction box on the right hand side, inside the fireplace. A switched power supply to the knock-out on the right hand side is required to complete the installation. A dimmer is recommended—see specifications below.*

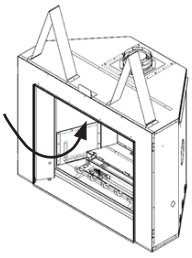
1. Turn the power off at the fuse box.
2. Decide where the dimmer will be located. If you are not sure, check with the homeowner.
3. Install the outlet box and connect the dimmer to the electrical wiring (all components—not supplied—available from your local electrical hardware store).
4. Locate the electrical wire in the junction box inside the firebox outer lining, on the right hand side. Remove its cover.
5. Run the electrical wires from the dimmer and thread it through the knock-out of the firebox to the junction box.
6. In the junction box, hardwire the harness to the electrical wire. Refit the junction box cover. Outside the firebox, fit a cable clamp.
7. Fit the cover plate to the wall (not supplied).

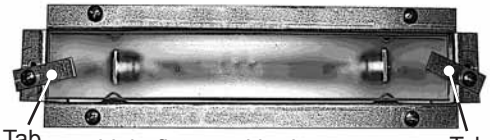

Electrical Connection Point
X
Knock-out on Outside of Fireplace (use proper cable clamp)
Standard octagon Junction Box + Cover Accessible inside Fireplace
to Dimmer Switch

*** Recommended Dimmer Switch (not supplied):**
Switch Type: Single-Pole
Type: Electro-Mechanical none preset or Preset
Load Rating: 600W
Voltage: 120 Volt AC 60 Hz
Action: Standard ON/OFF
Protection: Radio/TV Filter
Standards and Certifications: UL/CSA

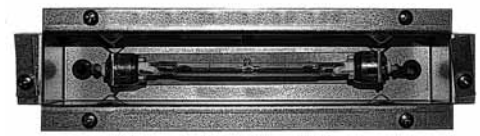
Fitting the Decorative Light bulb

1. Locate the decorative light fixture inside the firebox top, just in front of the window.
2. Loosen the screws of the tabs located on each side of the decorative light fixture.
3. While holding the glass cover, turn on of the retaining tabs to free the glass.
4. With a gloved hand, take the halogen light bulb from its packaging and insert in the light fixture.
5. Turn the power back on at the fuse box.
6. Turn on the dimmer switch to ensure good function and then, turn it off.
7. Put the glass cover back in place and, while holding it, turn the retaining tabs back to cover the glass edges.
8. Tighten the tabs screws.





Light fixture with glass cover


Light fixture without glass cover

100W Halogen Light Bulb (119mm)

Operation Check

Turn the fireplace flame up and down using the remote control to confirm that the full range of inputs is achieved—see the remote control operation instructions on pages 36–38.

Aeration Settings (NG units only)

(LPG units do not have any primary air adjustment.) Light the fire and allow the unit to warm up for 10–15 minutes to evaluate the flame picture. Natural gas burners are equipped with an adjustable shutter to control primary aeration. See the figures below. The shutter is factory-set to an aeration gap which will give optimum performance for the vast majority of installations.

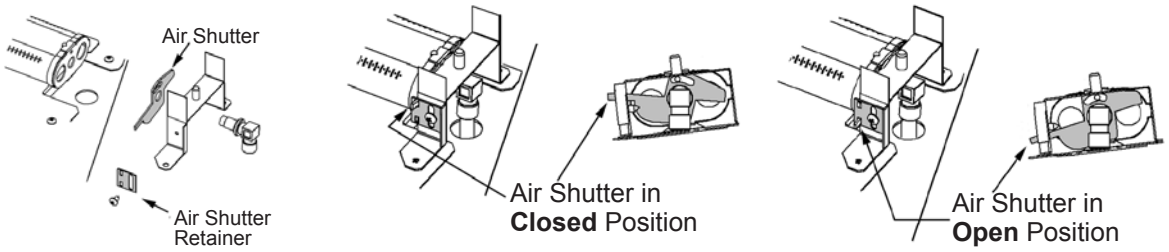
In a few unusual installations, the flame picture may be improved by adjusting the aeration. The need for adjustment should be determined only by operating the appliance with the ceramic logs and window installed.

Increasing aeration will cause the flames to appear more transparent and blue showing more ceramic log glow.

Decreasing aeration will cause the flames to appear more yellow or orange showing less ceramic log glow.

Too little aeration may result in black carbon forming and dropping into the firebox.

Air Shutter (NG units only)

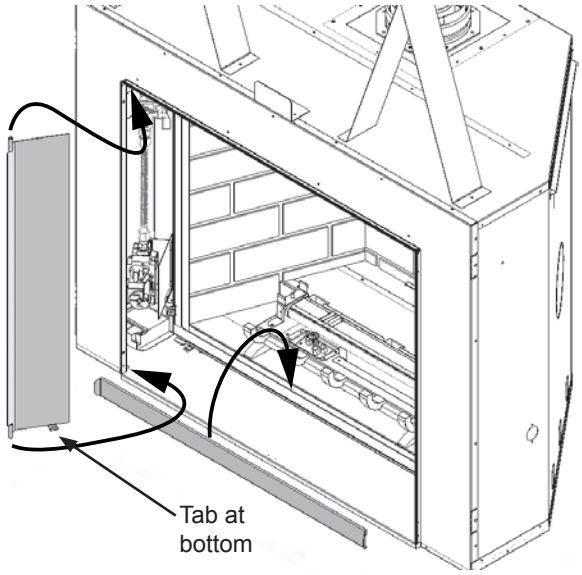


Window Skirt and Side Doors Installation

The fireplace comes equipped with a window skirt to hide the underside of the firebox and two side steel doors to hide the gas and electrical controls.

1. To install the window skirt, simply hook it to the bottom frame of the window as indicated.
2. Sort the left hand side and the right hand side doors—the tab to open the door should be towards the outside at the bottom.
   Take one door and locate the top hinge pin in the holed bracket located inside the top front of the outer firebox liner.
3. Slide the door up as much as possible and fit the lower hinge pin in the bottom hole.
4. Repeat with the other door.

The doors should be maintained closed by a magnet on each side of the window frame.

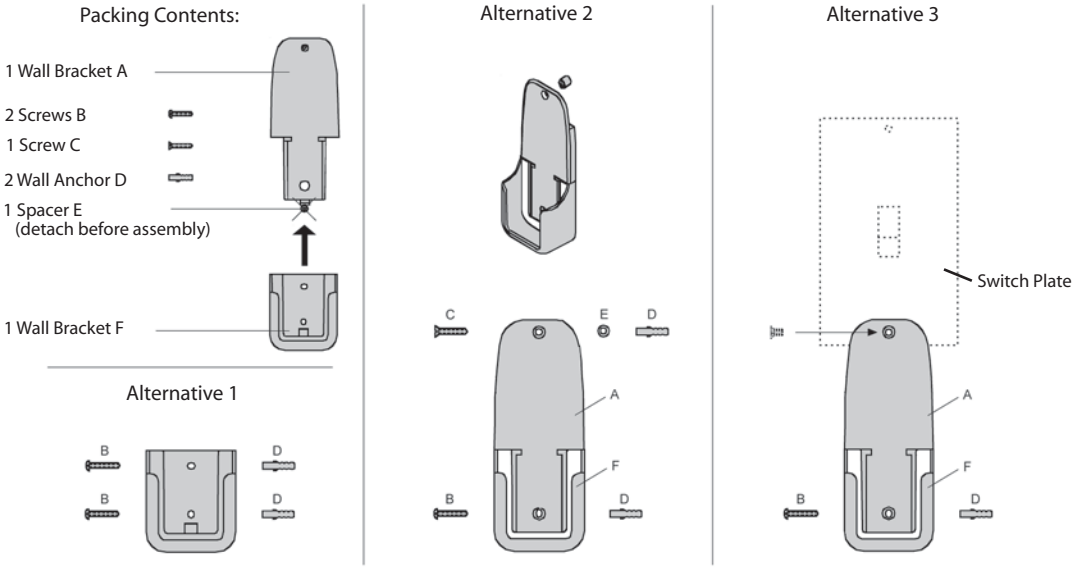


Remote Control Handset Wall Holder Installation

The remote control kit for this fireplace comes complete with a wall-mounted holder. This holder is not required in all installations but is provided as an optional feature for those customers who wish to mount the remote handset to the wall.

To install the holder to the wall, find a convenient location and use the hardware provided with the kit. See the diagram below for required hardware and configurations. Note that the holder can be installed at the base of a light switch plate.

IMPORTANT. The location of the remote control handset is important to assure proper temperature regulation. To obtain a constant temperature, we recommend that the handset should be between 3 and 15 feet away from the appliance **but not directly above it**. We also advise that the handset should be located away from any other heat source and not in direct sunlight as this may affect the temperature sensor located in the remote handset.



WARNING: Your fireplace becomes very hot when operating. Avoid placing decorating objects sensitive to heat within 36 inches (0.9 m) around it.

Performance of LPG appliances may be affected by the quality of commercial gas supplied in your area.

Operating Your Fireplace

For your safety, this appliance is fitted with a flame supervision device which will shut-off the gas supply if, for any reason, the pilot flame goes out. This device incorporates a fixed probe, which senses the heat from the pilot flame. If the probe is cool, the device will prevent any gas flow unless manually lighting the pilot. See full lighting instructions on page 39 of this manual.

Cleaning

Important - Glass cleaning - Mineral deposits

One of the by-products of the combustion process in a gas appliance is a mineral which can show up as a white film on the ceramic glass of the viewing door.
The composition of the deposit varies widely from various locations and also from time to time in the same location. It seems this is associated with the varying sulfur content of the gas. You may have the problem for a time and then not see it for many months when it will reappear in your area.
We have discussed this problem with ceramic glass manufacturers and they cannot give us a definitive answer to this problem. Dealers have tried various cleaning products with varying results. The following recommendations will not guarantee results in your particular case.

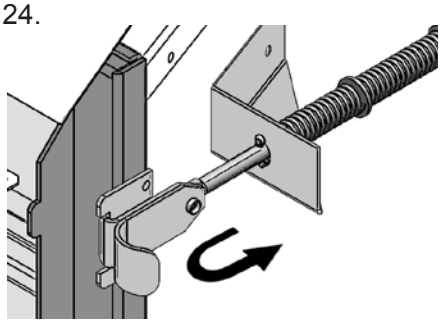
NOTE: This is a problem beyond Miles Industries' control and is not covered under warranty.

1. Clean the glass regularly as soon as you notice the buildup (white film). If the film is left for a longer period of time, it will bake on. It is then much harder, if not impossible, to remove.
2. NEVER use an abrasive cleaner on the ceramic glass. Any abrasion of the surface has the immediate effect of compromising the strength of the glass. An emulsion type cleaner is recommended.
3. Use a soft damp cloth to apply the cleaner. Dry the glass with a soft, dry, preferably cotton cloth. Most paper towels and synthetic materials are abrasive to ceramic glass and should be avoided.
4. Our dealers have had good results from the products listed below. We cannot, however, guarantee the results of these products.
   - BRASSO
   - POLISH PLUS by KEL KEM
   - COOK TOP CLEAN CREME by ELCO
   - WHITE OFF by RUTLAND
   - TURTLE WAX

Do not clean the glass while it is hot. Always securely replace the window before lighting. **If broken, the glass pane may only be replaced as a complete window unit as supplied by the manufacturer.**

To remove the window for cleaning, locate the levers on each side of the window towards the top of the unit. Using your finger, pull the lever towards you and unhook it from the window frame bracket. Gently pull the top of the window outward. Lift the window out of its bottom railing and set aside in a safe place to avoid damage—see page 24.

Spring Loaded Window Levers



To refit the window, place it in its bottom railing, push its top against the firebox and, while holding it in place, pull the side levers back into the window brackets. Then, pull out the top of the window and release it to insure the springs return it. Finally, apply light hand pressure against the window frame sides to bed-in the window seal—see page 29.

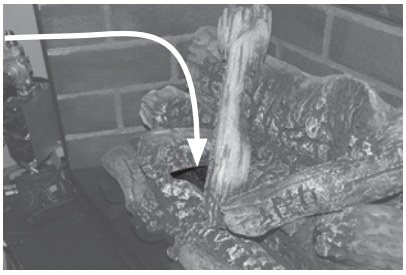
Soot or dust can be brushed from the ceramic logs and firebox walls using a soft brush. Dust can also be removed from the burner using a soft brush after removing the ceramic logs. When cleaning, make sure that no particles are brushed into the slots of the burner.

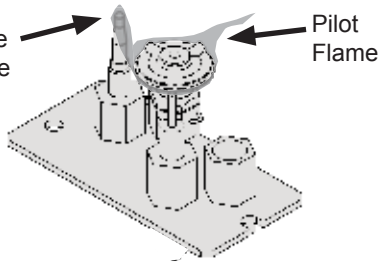
Checks

A periodic check of the pilot and burner flames should be made. Check after the fire has been on for at least 30 minutes. The pilot flame must cover the tip of the thermocouple probe. The main burner flame pattern will vary from appliance to appliance depending on the type of installation and climatic conditions.

Correct Flame Picture

Pilot Flame can be seen between logs



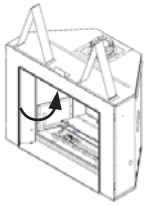


The appliance area must always be kept clear and free from combustible materials, gasoline and other flammable vapors and liquids.

Inspect the vent terminal outdoors regularly to make sure that snow, trees, bushes, leaves, or other objects do not obstruct it.

Examine the vent system and terminal regularly. We recommend annually.

Light Bulb Replacement



The appliance is equipped with a decorative light inside the firebox located in front of the window. To replace the light bulb, follow these steps:

1. Turn off the decorative light wall switch.
2. Locate the light fixture. Loosen the screws of the

Light fixture with glass cover

glass cover retaining tabs.

3. While holding the glass cover so it does not fall and shatter, swivel one or both of its retaining tabs to

Light fixture without glass cover

free the glass. Gently remove the glass cover.

4. Remove the light bulb from its socket by pushing towards one end.
5. With a gloved hand, replace with a new light bulb

100W Halogen Light Bulb (119mm)

using a 100 watts halogen 130 volts (type J T3, 119 mm long).

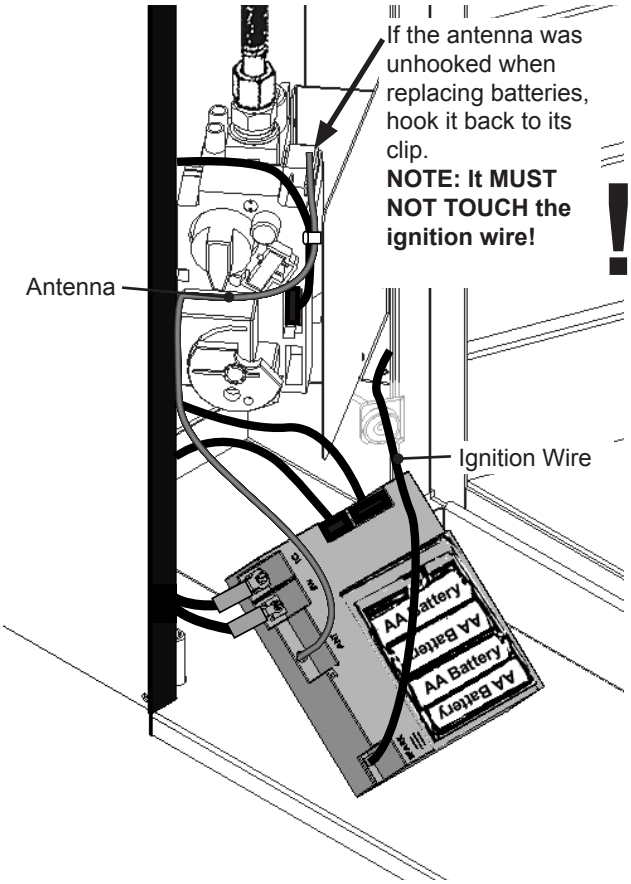
6. Test the bulb by turning the wall switch on. Turn the switch off again to complete the operation.
   NOTE: If the bulb is new and not functioning, turn off the dimmer switch and call your local electrician for inspection.
7. Put the glass cover back in place and, while holding it, turn the retaining tab(s) to retain the glass.
8. Tighten the tabs' screws.

Batteries

BEFORE changing the batteries, turn off the valve using the manual On/Off switch—see instructions below.
The appliance uses four 1.5 V AA batteries for its remote control receiver and one 9 V battery for its handset. Batteries should last one to two seasons, depending on usage. Removing the batteries in the off-season will extend the battery life. Should the batteries lose power, the control may be operated by manually turning the control knob at the valve or by turning off the valve at the switch.

To replace the batteries in the remote control receiver:

1. Open the side panel to the left of the window.
2. The receiver is located under the valve and it is retained to its platform by a *Velcro* tab. Grab the receiver and pull it out from it's platform.
3. Slide and remove the receiver cover.
4. Replace the 4 AA batteries.
5. Replace the cover.
6. Put the receiver back on its platform pushing it in so it attaches to the *Velcro* tab. If it was unhooked, replace the antenna in its clip.
   IMPORTANT: The antenna MUST NOT TOUCH the ignition wire to avoid a short-circuit.


If the antenna was unhooked when replacing batteries, hook it back to its clip.
NOTE: It MUST NOT TOUCH the ignition wire!
Antenna
Ignition Wire
AA Battery
AA Battery
AA Battery
AA Battery

Servicing

If any attention is required for your appliance, contact your supplier quoting the model number. It will be helpful if the appliance serial number can also be quoted. This number is on the rating plate, which is located on the firebox left hand side panel behind the valve assembly. Open the left hand side door to see it. The replacement parts are shown at the end of this manual. Please always quote the part number and description when requesting spare parts.

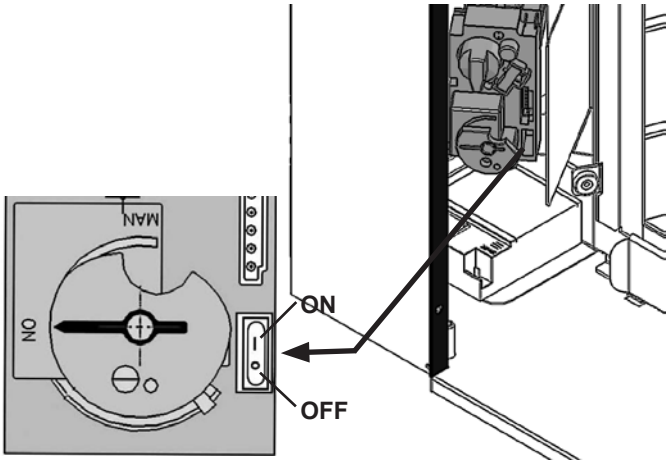
To avoid short-circuit to the receiver, position the ***antenna*** so that it ***DOES NOT TOUCH the ignition wire.***

Manual On/Off Switch

In cases where you want to turn off your fireplace and cannot do it with the remote control handset (misplaced, lost, dead batteries, etc.) or if you need to replace the receiver's batteries, you can turn off the appliance with the manual switch located on the right hand side of the valve.

If the wall switch is installed and the remote control will not be used, remove the battery from the handset and store it away.

If you are planning not to use your fireplace for a prolonged period of time, remove the battery from the remote handset and turn off the gas valve using the manual ON/OFF switch.



Owner's Information

Fireplace Control Devices

There are three ways to control your fireplace.

1. Thermostatic Remote Control;
2. Wall Switch;
3. Manual On/Off Switch.

The manual On/Off switch must be ON for the fireplace to function. It can be used to shut off the fireplace in case of emergency.

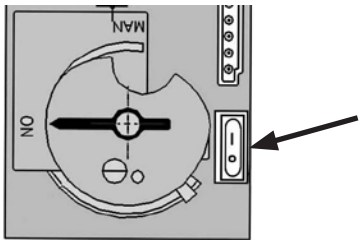
The Thermostatic Remote Control can be programmed to function automatically—see pages 36–38.

The Wall Switch (optional) can be used to turn on, off and to increase or decrease the flame height—see 1265WSK—Wall Switch Kit.

Please note that the remote control in the AUTO mode will override the wall switch.

Thermostatic Remote Control

Wall Switch (optional)



Manual On/Off Switch

Remote Control Operation

NOTE: <u>Before using the remote control system for the first time</u>, the receiver and the handset must be synchronized. See the section *Initial Remote Control Set-up* **on page 29 in this manual.**

Your fireplace remote control helps you get the comfort, convenience and aesthetics you want from your gas fireplace. The remote controls your fireplace in different ways.

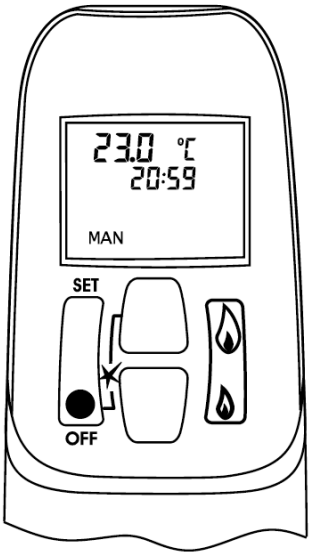
IMPORTANT: *BEFORE YOU BEGIN, please note that on this system, the settings of time, temperature and automatic ON/OFF* ***can only be programmed when the function display is flashing****. Be patient when programming as it can take a few seconds to set.*

Turning your fireplace ON

WARNING: When the pilot is lit, the valve motor turns automatically to maximum flame height.

1. Make sure that the MAN knob on the valve is in ON position.
2. Make sure that the switch on the valve is in the **I** position.
3. Press and hold the OFF and (large flame) buttons until you hear a short acoustic signal. Release the buttons.

The acoustic signals will continue until the pilot lights. The remote control will go automatically into TEMP mode. The flame will be at maximum height until the remote control reads the temperature (factory set) and will then adjust the flame accordingly. You can put the remote in MAN manual mode, change the temperature in TEMP mode or program your remote in TIMER mode as indicated in the following sections.



Turning your fireplace OFF

1. Press the (small flame) button to reduce the flame to pilot.
2. Press the OFF button to turn the pilot off.

Alternately, you can press the **O** button on the switch if you won't use your fireplace for a long period of time, if you cannot locate your remote control handset or if you wish to change the batteries.

Remote Control Operation

Operation Modes

STANDBY MODE—Ignited pilot only.

MAN MAN MODE—Manual Mode. You can use this mode to adjust the flame height up or down.

☼*TEMP* TEMP MODE—Daytime Temperature Mode (appliance must be in Standby mode; pilot ignited): The room temperature is measured and compared to the set temperature. The flame height is then automatically adjusted to achieve the Daytime set temperature.

☽*TEMP* TEMP MODE—Nighttime Setback Temperature Mode (appliance must be in Standby mode, pilot ignited): The room temperature is measured and compared to the Nighttime Setback temperature. The flame height is then automatically adjusted to achieve the Nighttime Setback temperature.

TIMER TIMER MODE—(appliance must be in Standby mode, pilot ignited): The Timer setting allows you to set two burner ON times and two burner OFF times for every 24-hour period.

Changing the Mode of Operation
Briefly pressing the **SET** button changes the mode of operation in the following order:

MAN ⟶ ☼*TEMP* ⟶ ☽*TEMP* ⟶ *TIMER* ⟶ *and back to MAN*
NOTE: MAN mode can also be reached by pressing either the large flame or small flame buttons.

Mode	Sun ☼	Moon ☽
TEMP	Daytime temperature setting	Nighttime temperature setting
TIMER	Start time setting	Stop time setting

Flame Height

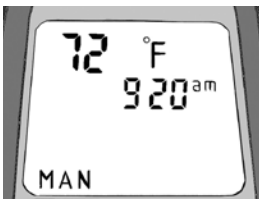
The flame height can be adjusted in the following manners. In STANDBY mode,

1. Press the large flame button to turn on the main burner.
2. Press the large flame button to increase the flame height.
3. Press the small flame button to decrease the flame height or to go to pilot Standby position.

For fine adjustments, tap the large flame and small flame buttons.

NOTE: While pressing either button, a symbol indicating transmission appears on the upper right hand corner of the display. The receiver confirms transmission with an acoustic signal.

Time



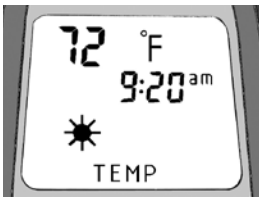
To set the time, follow the steps below.

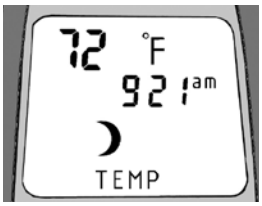
1. The display indicates °C/24-hour or °F/12-hour clock. To change from one to the other, press and hold both the **OFF** and small flame buttons until the display changes.
2. To set the time, hold down **both** the large flame and small flame buttons until the display flashes. Let go.
3. Quickly press the large flame button to set the hour and the small flame button to set the minutes.
   Note: You must start setting the time while the display is flashing. If it stops flashing, go back to 2.
4. Press the **OFF** button to return to manual mode or simply wait and it will automatically return to Manual mode.

Remote Control Operation

Temperature

Use this setting when you come in and want to enjoy a set temperature.





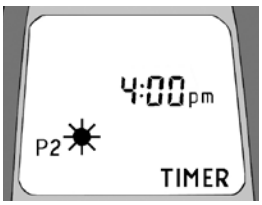
1. Select either the ☼ ***TEMP*** **MODE** or the ☽ ***TEMP*** **MODE** by briefly pressing the **SET** button.
2. Hold the **SET** button until the **TEMP** display flashes.
3. Set the desired temperature with the or the buttons.
   Note: 4.5°C/40°F is the minimum temperature setting.
4. Press the **OFF** button or simply wait and the display will go to the temperature control mode.
   Note: If you would like the Nighttime Setback temperature control to turn off, decrease the ☽ ***TEMP*** **MODE** setting until [---] appears on the display.
   Your fireplace will reach the set temperatures and the remote handset will check the temperature every five minutes, adjusting the amount of fuel needed to give you a steady, even heat.
5. The display must remain in **TEMP** mode on the remote handset.

Timer

It is possible to program two periods of time per day at which your fireplace will turn on and off automatically.

For example, you can set your fireplace to turn on in the morning just before you get up (P1 ☼ [start time]) and to turn off when you leave for the day (P1 ☽ [stop time]). Then, you can set your fireplace to turn on again at the end of the day (P2 ☼ [start time]) and to turn off when you go to bed at night (P2 ☽ [stop time]).

If you wish to set only one time period at which your fireplace will turn on and off, program P2 ☼ [start time] and P2 ☽ [stop time] for the same time as P1 ☽ [stop time].



1. Select **TIMER** mode by briefly pressing the **SET** button.
2. Press and hold the **SET** button until **TIMER** is displayed on the lower right hand side.
3. Press and hold the **SET** button until P1 ☼ and the time display flashes. Set the start time by pressing the button for the hour and the button for the minutes. Then, briefly press **SET** to P1 ☽ and set the stop time in the same manner you just set P1 ☼.
4. Briefly press the **SET** button again for the next burner cycle time, which will be P2 ☼ and P2 ☽.
5. Once all four times are set, press **OFF** or simply wait to complete programming.
6. The remote handset must remain in **TIMER** mode to function automatically.

Low Battery Indication

Remote handset: BATT will appear on the display when the battery needs to be replaced.
Replace with one 9 V battery (alkaline recommended).

Receiver: Three short 'beeps' will sound when the motor turns when the batteries need to be replaced. Replace with four 1.5 V batteries (alkaline recommended).

NOTE: With very low battery, the valve shuts off the fire completely. This does not happen when the power supply is interrupted.

Handset / Receiver Match

The remote control handset and receiver are programmed to function together. In case of a replacement of the handset or the receiver, you will need to reset the receiver to allow them to function together. Contact your dealer for details

Automatic Standby Mode (when in Temp or Timer modes only)

If there is no transmission from the handset to the receiver within a 6-hour period, the appliance will go to **STANDBY** (pilot) mode.

Lighting Instructions

FOR YOUR SAFETY, READ BEFORE LIGHTING

WARNING: If you do not follow these instructions exactly, a fire or explosion may result causing property damage, personal injury or loss of life.

A. This appliance has a pilot which must be lighted by hand or by remote control. Follow these instructions exactly. To save gas, turn the pilot off when not using the appliance for a prolonged period of time.

B. **BEFORE LIGHTING**, smell all around the appliance area for gas. Be sure to smell next to the floor because some gas are heavier than air and will settle on the floor.

WHAT TO DO IF YOU SMELL GAS

- Do not try to light any appliance.
- Do not touch any electric switch; do not use any phone in your building.
- Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.
- If you cannot reach your gas supplier, call the fire department.

C. Use only your hand to push in or turn the control knobs. Never use tools. If the knobs will not push in or turn by hand, don't try to repair them; call a qualified service technician. Force or attempted repair may result in a fire or explosion.

D. Do not use this appliance if any part has been under water. Immediately call a qualified service technician to inspect the appliance and to replace any part of the control system and any gas control, which has been under water.

LIGHTING INSTRUCTIONS

1. **STOP!** Read the safety information above.
2. **SET ON/OFF SWITCH (1) TO "OFF" POSITION.**
   - Wait five (5) minutes to clear out any gas, then smell for gas, including near the floor. **If you smell gas, STOP!** Follow "B" in the safety information above on this label. If you don't smell gas, go to the next step.
3. **AUTOMATIC IGNITION** (Fig. 1): Locate the pilot (Fig. 3.) inside of firebox at left hand side.
   - ON/OFF switch (1) in ON position, MAN-knob (2) in ON position; set Flame Adjustment knob (3) to lowest setting (↻).
   - On the remote control handset, press the OFF button (●) and large flame button ( ) simultaneously; a short acoustic signal confirms the start has begun.
   - Further short acoustic signals indicate the ignition process is in progress.
   - When the pilot is lit, the Flame Adjustment knob (3) will automatically rotate to the highest setting.
   - Press the small flame button ( ) on the remote control handset to reduce the flame height.
4. **MANUAL IGNITION** (Fig. 2): With the window off, locate the pilot (Fig. 3) inside of firebox at left hand side.
   - ON/OFF switch (1) in ON position, MAN-knob (2) in MAN position.
   - Set Flame Adjustment knob (3) to the lowest setting (↻).
   - Push down the metallic core (4) with a pen or similar instrument; this will establish the pilot gas flow.
   - Light gas at the pilot (5) with a match.
   - Continue holding down metal core (4) for about 10 seconds; after release, pilot should remain lit.
     - If the pilot will not stay lit after several tries, turn the gas control knob (3) to OFF (↻) and call your local service technician or gas supplier.
   - Reinstall the window and set the MAN-knob (2) to ON; turn Flame Adjustment knob (3) up (↺) or down (↻) manually or use the flame buttons ( )( ) on the remote control handset to adjust the flame height.

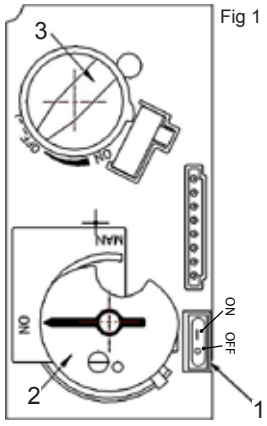


Fig 1

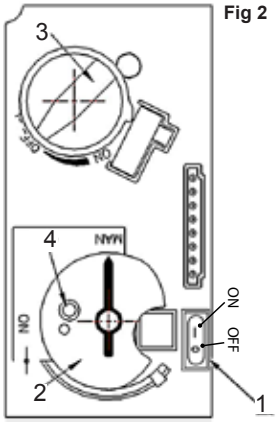
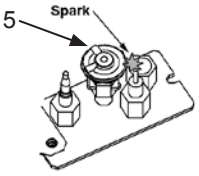


Fig 2

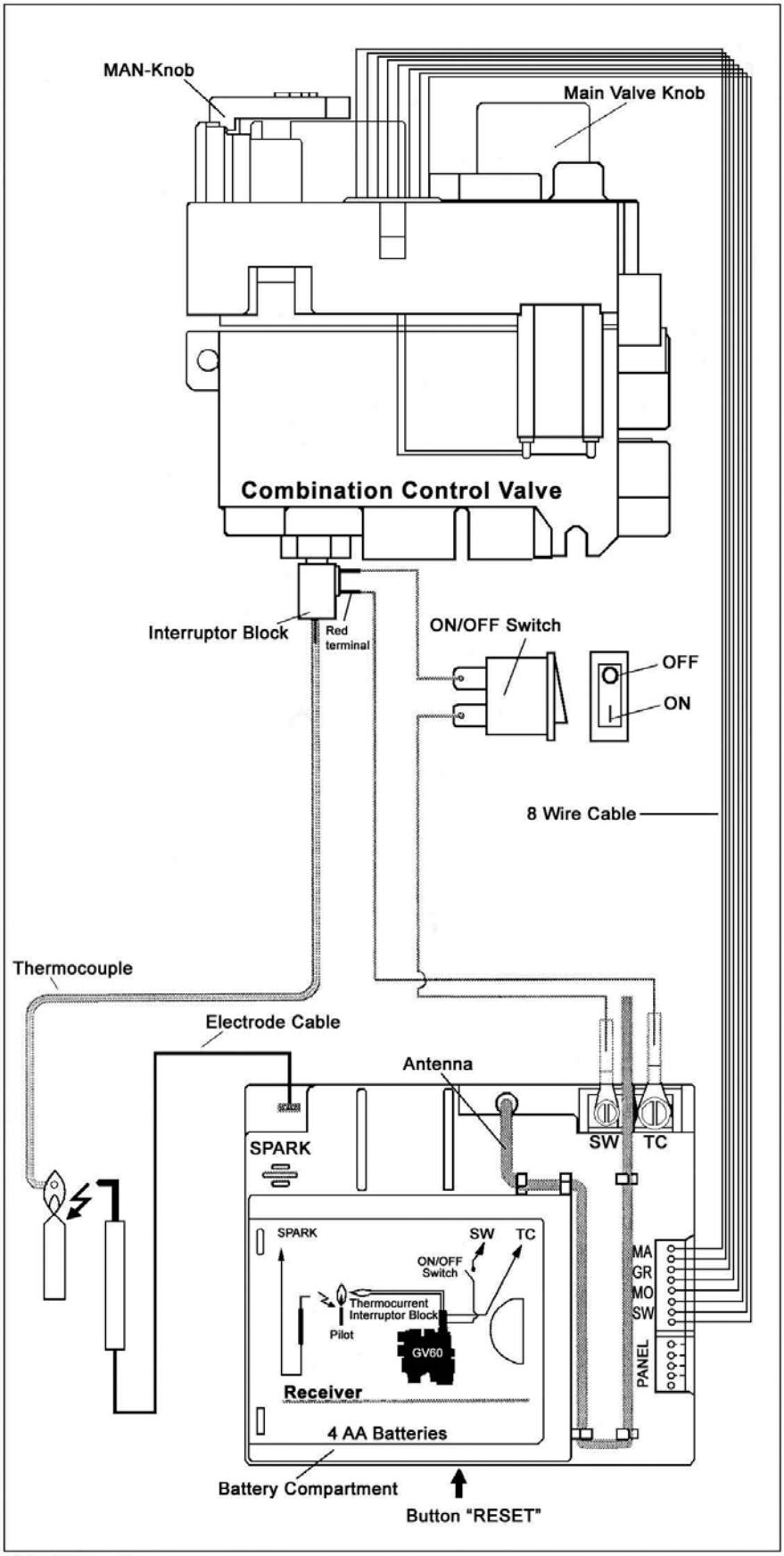
Fig 3



TO TURN OFF GAS TO APPLIANCE

1. **AUTOMATIC SHUT-OFF** (using the remote control handset):
   - Press and hold the small flame button ( ) on the remote control handset to shut-off the main burner gas flow.
   - Press OFF button on remote handset to shut-off the appliance, including pilot flame.
2. **MANUAL SHUT-OFF** (using only the ON/OFF switch (1) located to the right hand side of the valve):
   - Press **O** the ON/OFF switch (1) to shut-off the appliance, including pilot flame.

Wiring Diagram



GV60 Wiring Diagram

Options

Ceramic Liners (required)

1245VRL—Victorian Red Liner Pack
1250FSL—Frontera Liner Pack
1255IBL—Inca Slab Liner Pack
1260BSL—Black Slab Liner Pack

Venting (required)

See Simpson Dura-Vent venting accessories listed on page 16.

Doors and Surrounds (optional)

1210DKA—Alhambra Door Kit
1215FDV—FenderFire Double Door Kit
1220FSV—FenderFire Single Door Kit
1240BPK—3-Sided Backing Plate Kit
1241FBK—4-Sided Backing Plate Kit
1235MTP—3-Sided Polished Trim
1237MFP—4-Sided Polished Trim
614CVI—Arched Cast Surround
615CVI—Cast Surround
616STK—Arched Stone Trim
617STK—Stone Trim

Safety Screens (optional)

1205DSK—Draw Screen Kit

Fret and Andirons (optional)

1225VFB—Ventana Fret Black
1230ACB—Andiron Classic Black
1236MAP—Metropolis Andiron Polished

Conversion Kit (optional)

1200PCK—Conversion Kit to Propane Gas
1200NCK—Conversion Kit to Natural Gas

Wall Switch (optional)

1265WSK—Wall Switch Kit

Fan (optional)

1270RBK—Remote Blower Kit

Hearth Gate (optional)

Hearth gates such as Kidco's are available at retail stores carrying safety products for children.

Warranty

If you have a problem with this unit, please contact your dealer or supplier immediately. Under no circumstances should you attempt to service the unit in any way by yourself. The warranties in paragraphs 1 and 2 are provided only to the first purchaser/user of this unit, are not transferable and are subject to the conditions and limitations in paragraphs 3, 4 and 5. Please review the conditions and limitations carefully and strictly follow their requirements.

1. Extended Warranty Coverage

For a period of up to ten (10) years, Miles Industries Ltd., (the "Company") or its appointed distributor will at its option pay the initial purchaser for the repair of, or will exchange the following parts or components which are found to be defective in material or workmanship under normal conditions of use and service:

Part or Component	Defect Covered	Maximum Warranty Period
Exterior steel casing	Corrosion	10 years
Glass	Loss of structural integrity	10 years
Cast iron parts	Corrosion	10 years
Firebox and heat exchanger	Corrosion (but not discoloration) causing loss of structural integrity	10 years

2. Two-Year Parts Warranty

In addition, for two (2) years from the date of purchase, the Company, at its option, can repair or exchange all parts and components not listed above but that are found to have a *bona fide* defect in material or workmanship under normal conditions of use.

3. Conditions and Limitations

a) The warranty registration card must be completed by the initial owner and returned to the Company within 90 days of purchase.
b) Installation and maintenance must be performed by an authorized and trained dealer in accordance with the Company's installation instructions.
c) This warranty is void where installation of the unit does not conform to all applicable codes including national and local gas appliance installation codes and building and fire codes.
d) The owner must comply with all operating instructions.
e) The Company is not responsible for the labor costs to remove defective parts or re-install repaired or replacement parts.
f) The first purchaser or user of the unit will be responsible for any shipping charges for replacement parts as well as travel time incurred by the dealer to perform the warranty work.
g) This warranty applies to non-commercial use and service and is void if it is apparent that there is abuse, misuse, alteration, improper installation, accident or lack of maintenance to the unit.
h) This warranty does not cover damage to the unit through:
    i) Improper installation, operational or environmental conditions.
    ii) Inadequate ventilation in the area or competition for air from other household equipment or appliances.
    iii) Damage due to chemicals, dampness, condensation, or sulphur in the fuel supply lines which exceeds industry standards.
i) This warranty does not cover glass, log breakage or damage to the unit while in transit.
j) The Company does not allow anyone to extend, alter or modify this warranty and assumes no responsibility for direct, indirect or consequential damages caused by the unit. State or provincial laws where the first purchaser or user resides may provide specific rights to extend this warranty and, if so, the Company's sole obligation under this warranty is to provide labor and/or materials in accordance with those laws.

4. Discharge of Liability

After two (2) years from the date of purchase, the Company may, at its option, fully discharge all obligations under this warranty by paying to the first purchaser/user the wholesale price of any defective parts.

5. No Other Warranty

All obligations to repair this unit are defined in this warranty. Some states or provinces may specifically mandate additional warranties on the part of manufacturers, but in the absence of such specific legislation, there is no other warranty or obligation expressed or implied.

Spare Parts

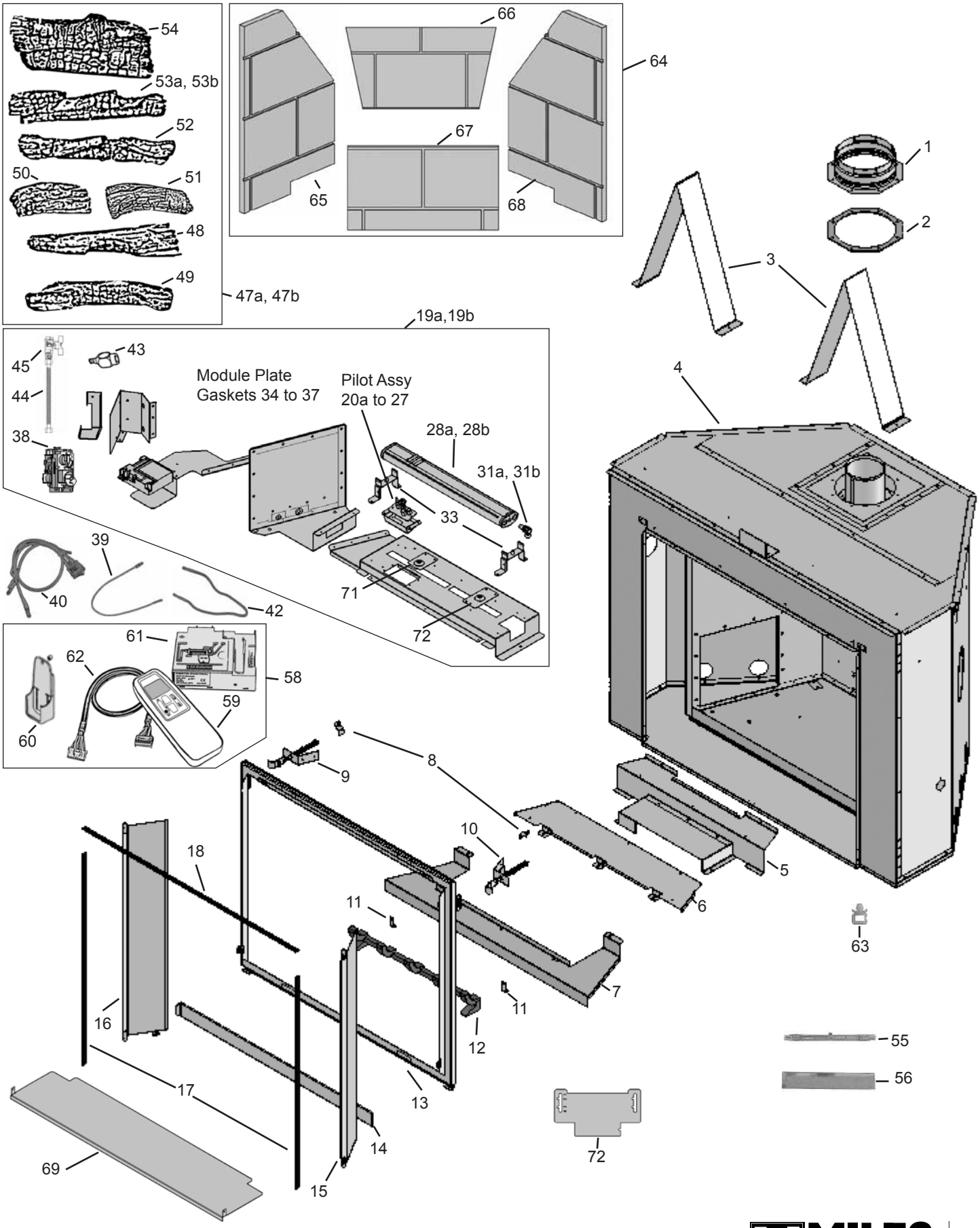
Code	Description	Part Number
1	Intake Collar	4000925
2	Intake Collar Gasket	4000942
3	Top Standoff (2)	4001373
4	Firebox	
5	Air Inlet Duct Assembly	4001246
6	Rear Log Support	4001280BY
7	Front Brick Support	4001265BY
8	Side Brick Anchor (2)	4001283
9	LH Explosion Relief Assembly	4001286
10	RH Explosion Relief Assembly	4001287
11	Grate Mounting Clips (2)	4001402
12	Cast Iron Grate Assembly	4001401AH
13	Window Frame Assembly	4001221
14	Window Skirt	4001445AZ
15	RH Side Panel	4001243AZ
16	LH Side Panel	4001242AZ
17	1/2” Side Trim (2)	4001360AZ
18	1/2” Top Trim	4001359AZ
19a	Burner Module Assembly NG	4001228S
19b	Burner Module Assembly LPG	4001229S
20a	Pilot Assembly NG	4000727
20b	Pilot Assembly LPG	4001428
21	Pilot Bracket	4000729
22	Thermocouple	4000061
23a	Pilot Injector #62 NG	4001352
23b	Pilot Injector #30 LPG	4000736
24	Pilot Tube	4000732
25	Pilot Hood 2 Flame	4000730
26	Extended Nut	4001855
27	Electrode	4001856
28a	Burner Assembly NG	4001400
28b	Burner Assembly LPG	4001472
29	Air Shutter (2)—NG only	4000657
30	Shutter Slider—NG only	4000759
31a	Injector Elbow #82 NG	4001270
31b	Injector Elbow #360 LPG	4001494
32	Valve to Burner Pipe Assembly	4001279X
33	Location Support Assembly (2)	4001288X
34	Top Gasket	4001269
35	Bottom Gasket	4001363
36	Sealing Gasket	4001364

Code	Description	Part Number
37	Side Gasket (2)	4001268
38	Valve GV60	4000873
39	Cable Interruptor	4001035
40	Switch with Cable	4001036
41a	Minimum Rate By-Pass Screw NG	4001564
41b	Minimum Rate By-Pass Screw LPG	4001058
42	Ignition Cable	4001039
43	Thermocurrent Interruptor	4001037
44	Pipe S/S Flex	4000345
45	Shut-Off Valve	4001282
46	Magnet dia. 16 x 4.5mm	420K551
47a	Log Set NG	4001223
47b	Log Set LPG	4001541
48	RH Cross Log	4001365
49	LH Cross Log	4001366
50	LH Center Cross Log	4001367
51	RH Center Cross Log	4001368
52	Front Log	4001370
53a	Middle Log NG	4001369
53b	Middle Log LPG	4001534
54	Rear Log	4001371
55	Quartz Lamp 100 Watts	4001446
56	Light Cover	4001353
58	Remote Control Thermostatic	4001857
59	Handset	4001910
60	Handset Wall Holder	9000008
61	Receiver	4001911
62	Wiring Harness	4001187
63	Cable Clip	4000012
64	Ceramic Liner Sets	
a	*Victorian Red Brick*	1245VRL
b	*Frontera Stone*	1250FSL
c	*Inca Slab*	1255IBL
d	*Black Slab*	1260BSL
65	LH Panel	
a	*Victorian Red Brick*	4001224
b	*Frontera Stone*	4001327
c	*Inca Slab*	4001328
d	*Black Slab*	4001478
66	Top Panel	
a	*Victorian Red Brick*	4001227

Spare Parts

Code	Description	Part Number
b	*Frontera Stone*	4001323
c	*Inca Slab*	4001324
d	*Black Slab*	4001481
67	Rear Panel	
a	*Victorian Red Brick*	4001226
b	*Frontera Stone*	4001321
c	*Inca Slab*	4001322
d	*Black Slab*	4001480
68	RH Panel	
a	*Victorian Red Brick*	4001225
b	*Frontera Stone*	4001325
c	*Inca Slab*	4001326
d	*Black Slab*	4001479
69	Overlay (to cover front bottom FP)	4001500AZ
70	LH Burner Support	4001511
71	RH Burner Support	4001512
72	Restrictor	4001222
	Micore insulation pad (not shown)	4001489

Spare Parts


54
53a, 53b
52
50
51
48
49
47a, 47b
66
64
67
65
68
1
2
3
19a,19b
45
43
44
38
Module Plate
Gaskets 34 to 37
Pilot Assy
20a to 27
28a, 28b
31a, 31b
33
39
40
42
71
72
4
61
62
58
59
60
9
8
10
18
11
5
6
63
7
11
16
12
55
56
17
13
14
69
15
72